



446	GTCGGTCAAGCTAACCTATGATGGCTGGCTTCTGCCATGAACTGGTGTG	505	Db	1520 AGGAATGGANTCCCATGAGAAGGCTTCCTCAATGGCAGATATGACTACAGGAA 15795
662	GTCATTCTCGAGCACAGGGCTCGGATCTTGCTGAGCACAGGCAGCG	721	Qy	1736 AAGTACTCTGAGCTGGATTTCACCAAGAGTGGCATAGAGCTGAGAGATG 1795
506	GTGACCAATTAGTACCCCTGGCATTTGAGCATAGAGATGAGACAGC	565	Db	1580 GGTAACTCTGAGATTCAGCCACCCAGCAGCAACTGAAAGAACAGAAGTGT 1639
722	CGGGGAACTGGGGCTCTGACCAGATGGGGCTGCGCTGGAGAGAACATC	781	Qy	1796 GCTTTTGGAA 1805
566	CGGGGAACTGGGGCTACTGGACCTGGGGCTGGAGAGAACATC	625	Db	1640 GCTTTCCTGGA 1649
RESULT 2				
626	GCACAACTTTGGGGGACCGGGCTCTGACCATCTTGGAGACTCAGGGTCAA	685	Qy	US-09-264-737-3 Sequence 3, Application US/09264737A
626	AGGATCTCAGGACTGGATGATGTCACCCCTAGCTGGTCTTCATGCCATTTC	901	Db	; Patent No. 6107549
686	AGTGTCTATATCCTCTTATATCCTCCCTGACAAAGATCTTCATGCCATTTC	745	Qy	; GENERAL INFORMATION:
842	CAGAGTGCACCGGTTATTCAGACTTTCACTAAGTAACTGGCCAGA	961	Db	; APPLICANT: Feng, Paul C.C.
902	962 AACGGCACTATCAGGACCAAGCTGGTGTGATGTCACCCATCTGGTAACTGGCTG	1021	Qy	; ATTORNEY: Ruff, Thomas G.
746	AAGAGTGCCTGGCTCCCTTCAGTCTTCAGGAGAACCAAGTCTGGCTGAG	805	Db	; TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via
962	AAATTGCGATCGAAGCTGGTAAACCAACCTGGCTGTCATGGCTG	865	Qy	; TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via
806	1022 AGGGCACTATCAGGACCAAGGGTATGGTGTGTCACAAAGTAGAGATCCTCCAACTAGT	1081	Db	; FILE REFERENCE: 38-21(1055) RU3 Pyridine Tolerance
866	CGCCAGAGACAGAGGAACTCATGGAGGTGACATGGAAATGAAATGGCTCTA	925	Qy	; CURRENT APPLICATION NUMBER: US/09-264-737A
1082	926 AACTTCCAGAGAACCCGGAGGATTATCTGTCATGCCATGAGCCCTCTGGTGAATGGTGTG	1141	Db	; CURRENT FILING DATE: 1999-03-09
1142	GATCTAGTTGGGACCCCCAAAGGAACACCCGCTTCTGACCACTGGTGTG	985	Qy	; EARLIER FILING DATE: 1998-03-10
986	1142 GTGATCCAGATGACCCPTGGCTCTGCCATGAGCTTCATCTGGCCCTAC	1201	Db	; NUMBER OF SEQ ID NOS: 11
1202	CTCTAGGTGTCACAACCTGGAAATTCAATGGCTCTGGCTTATACTGAGTTCCG	1045	Qy	; SEQ ID NO 3
1046	1106 ATGGTGGAAATCAACCAAGGTTGGCTGAGATTTCATGCCATGTTGGCTAT	1105	Db	; SOFTWARE: PatentIn Ver. 2.0
1262	1106 CTAAACCGCAGGCA --- TGAGAAAGGAACCATCACTAAAGATGCTGGTACCCGC	1318	Qy	; TYPE: DNA
1106	1106 CCACCTCTGAGGCCAAACTGGACCAAGAACGGCTAGAACTCTGGAGAATG	1165	Db	; ORGANISM: Rabbit
1319	1166 ACCCTGTGAAATCACAGGACGTTGGCTGAGATTTCATGCCATGAACT	1378	Qy	US-09-264-737-3
1166	1166 CCCATTGTCGAACTGGCTCTCAAGGAGTCATGGTGAATTTAGGGGG	1225	Db	Query Match Score 21.4%; DB 3; Length 1701;
1379	1379 GTCAATGACCATGACTGGAGATGCTGAGATGTCATGGTCAAGATGTC	1438	Qy	Best Local Similarity 57.0%; Pred. No. 1.5e-106;
1226	1379 ACATGGACCTGAAATCACAGGACGTTGGCTGAGATTTCATGCCATGAACT	1279	Db	Mismatches 635; Indels 15; Gaps 4;
1439	1439 ACTTTCGNGTATGCCAACCTGAGACTGCTCACTACCGAGATGCCCTCCCTGTC	1498	Qy	Matches 860; Conservative 305;
1280	1439 1280 TTATTTGGTGTCCCATTCTGAAATGGTGAATTTAGGGGG	1339	Qy	305 CCCATCCAGAAGCTCTTCCTCCAGACCTCTCTTCTAGTATCTCAGGTT
1499	1499 TACCTGTGAAATTGAGGACCACTGGCTGAGATGCTGGCTGAGCTG	1555	Db	139 CCGTGGCCGCTCTGGATCTGGCTCTGGCTCTGGCTCTGGCTCTGGCT
1340	1340 TATATGTGAGATCGGATATGGCTGCACTGAGATGCTGGCTGAGCTG	1399	Qy	365 GGACCTCAGAACCCCGGAGSCTCCAGAAGATGTCATGCCCTACCCGCT
1556	1556 GGGCAGACCATGGGATAGATGCTACTTCCTCTGGGCCCTTGCCAGGCT	1615	Db	199 GCACCCACACCCCTGGTCAAGATCATGGCAGCTGGTACACCCCTCCC
1400	1400 ATAGGGACCATGGAGATGAGATGCTGAGCTGGCTGAGATGCTGGCT	1459	Qy	425 GGTGCTGGCTGGAGATC -- CTGGGGCCAGCTGGCTCTGGATGTCAGGAA 424
1616	1616 TCCATGGGTAGGAAAGCCACTTGGCTCCAGAAATCTGCAACTTGTG	1675	Db	259 ATGGTGTCTCCGGGACGAGTATGCCATGGCTCTGGCTCTGGCTCTGG
1460	1460 GCGCAGAGGAGATCAACTGAGATGCTGAGATGCTGGCTGAGCTG	1519	Qy	482 CGGTACAGTGGCTGGCTCTGGAGACTCTGGCTGAGCTGGCTGCG
1676	1676 CGCGGAACTGGGATGGGACCTGGCTGAGCTGGCTGAGCTGGCTG	1735	Db	319 GAGAAATCCCTCTTAACTGTTCTGAGACTCCCTTACCTGAAATTTAC
619	619 GCGCAGAGGAAACCCGAAATGGGAATCTGCCCTGAGGAACTGAA	1735	Qy	542 CGCGGCCGCCCCGATGCCAGTGGCTGGCTGAGCTGGCTGAGCTGGCT
559	559 CGGGGAACTCTGGGAGACCCGAACTGGCTGAGCTGGCTGAGCTGGCT	1618	Db	379 GACCTGACAAAGAGACGAGCTGGCTGAGCTGGCTGAGCTGGCTG
782	782 GCGCCTCTGGGGAGACCCGAACTGGCTGAGCTGGCTGAGCTGGCT	841	Qy	602 GTCGGGCTGCTGCTCTGGCTGAGCTGGCTGAGCTGGCTGCTG
662	662 GTCGGGCTGCTGCTCTGGCTGAGCTGGCTGAGCTGGCTGAGCTGGCT	661	Db	439 GTCGGGCTGCTGCTCTGGCTGAGCTGGCTGAGCTGGCTGAGCTGGCT
499	499 GTCACATTCTGAGCTGGCTGAGCTGGCTGAGCTGGCTGAGCTGGCT	558	Qy	722 CGGGGAACTGGGCTGCTGGACGAGCTGGCTGCTGAGCTGGCTGAGCTGGCT
559	559 CGGGGAACTCTGGGAGACCCGAACTGGCTGAGCTGGCTGAGCTGGCT	618	Db	722 CGGGGAACTGGGCTGCTGGACGAGCTGGCTGCTGAGCTGGCTGAGCTGGCT
782	782 GCGCCTCTGGGGAGACCCGAACTGGCTGAGCTGGCTGAGCTGGCT	841	Qy	662 GTCGGGCTGCTGCTCTGGCTGAGCTGGCTGAGCTGGCTGAGCTGGCT
619	619 GCGCAGAGGAAACCCGAAATGGGAATCTGCCCTGAGGAACTGAA	678	Db	499 GTCACATTCTGAGCTGGCTGAGCTGGCTGAGCTGGCTGAGCTGGCT

GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom  
APPLICANT: Zhou, Ping  
APPLICANT: Goodrich, Ryne  
APPLICANT: Abundi, Vinod  
APPLICANT: Ren, Feiyan  
APPLICANT: Zhang, Jie  
APPLICANT: Xue, Aldong J.  
APPLICANT: Zhao, Qing A.  
APPLICANT: Wang, Jian-Rui  
APPLICANT: Ma, Yunqing  
APPLICANT: Yamazaki, Victoria  
APPLICANT: Chen, Rui-hong  
APPLICANT: Wang, Zhiwei  
APPLICANT: Wang, Dunrui  
APPLICANT: Yang, Yongruig  
APPLICANT: Wehrman, Tom  
APPLICANT: Ghosh, Reena  
APPLICANT: Dumanac, Radice T.

TITLE OF INVENTION: No. 6783969el Nucleic Acids and Polypeptides

FILE REFERENCE: 803

CURRENT APPLICATION NUMBER: US/09/799,451

CURRENT FILING DATE: 2001-03-05

SEQ ID NO: 562

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (840) .. (1070)

LENGTH: 1453

Query Match 17.5%; Score 346.4; DB 4; Length 1453;  
Best Local Similarity 99.7%; Pred. No. 3.6e-85;  
Matches 347; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1605 CCACAGGCTTTCATGGTAACGGAAAGCTTCACTGGCTCCAGATGATAATACTGG 1664  
Db 826 CCCAGGCTTTCATGGTAACGGAAAGCTTCACTGGCTCCAGATGATAATACTGG 885  
Qy 1665 CCACATTGGCCACAGGAACCCAAATGANGGAATCTGGCTTGGCCACGGCTACA 1724  
Db 886 CCACATTGGCCACAGGAACCCAAATGANGGAATCTGGCTTGGCCACGGCTACA 945  
Qy 1725 ACAGGATGAAGTACTCGAGCTGATGGTAACTGAGCTGAGCTCAGG 1784  
Db 946 ACAGGATGAAGTACTCGAGCTGATGGTAACTGAGCTGAGCTCAGG 1005  
Qy 1785 AGGAGAACATGGCTTTGGTAGAATGGTACAGTGAACTGAGCTGAGGC 1844  
Db 1006 AGGAGAACATGGCTTTGGTAGAATGGTACAGTGAACTGAGCTGAGGC 1065  
Qy 1845 ATTTCTAAGGGCTCATGGAGAAAGGCCATCCACATGGCTGGGGTTGCCCCCACCATCCAGGC 1904  
Db 1066 ATTTCTAAGGGCTCATGGAGAAAGGCCATCCACATGGCTGGGGTTGCCCCCACCATCCAGGC 1125  
Qy 1905 CCTGGGGGAGACTCCATGGACATCTGGGAAGAGGTCTACCA 1952  
Db 1126 CCTGGGGGAGACTCCATGGACATCTGGGAAGAGGTCTACCA 1173

RESULT 4

US-09-949-016-3799

; Sequence 3799, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

RESULT 3

US-09-799-451-562

; Sequence 562, Application US/09799451

; Patent No. 6783969

CURRENT APPLICATION NUMBER: US/09/949,016  
 CURRENT FILING DATE: 2000-04-14  
 PRIOR APPLICATION NUMBER: 60/241,755  
 PRIOR FILING DATE: 2000-10-20  
 PRIORITY NUMBER: 60/237,768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231,498  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 207012  
 SOFTWARE: Fast-SEQ for Windows Version 4.0  
 SEQ ID NO: 3799  
 LENGTH: 2117  
 TYPE: DNA  
 ORGANISM: Human  
 US-09-949-016-3799

Query Match 16.1%; Score 319.2; DB 4; Length 2117;  
 Best Local Similarity 54.0%; Pred. No. 1.4e-77;  
 Matches 828; Conservative 0; Mismatches 643; Indels 63; Gaps 6;

Qy 284 CAGATGCAATGTGGGAAGAACCCATCCAAAGCTTTAGAGTCCTTCAAGACT 343  
 Db- 195 CATGAAAGGGCAATTGGGGTCRAAACCTTCTGGAAATTCCAAAGCCA 254  
 Qy 344 CCTCTAGPATCCTCAGGTTGCACCTCTCGAAGCCCCGGACCCCTGAAAGAATCGA 403  
 Db 255 CCTCTAGGTTGCCTGCTGAATTGGCCCTCTGAGCCCTCTGAGTGGGG 314  
 Qy 404 GATGCTAACCTACCCGCTGGTGCTGCGAGGTCCTGGGCCAGCTGCCTCATG 463  
 Db 315 GATGAAACCCATCGGCCATCTGCTACAGAACCTACCCGAGTGGTCAAGTT 374  
 Qy 464 TACGTGAGCAGGGAACTAACATGACCTTCCTTCGACTTGGAGTGGTGG 523  
 Db 375 CTTAGCAGITCAACATGACCTTCCTTCGACTTCATCTCGAGGACTGCTACTC 434  
 Qy 524 AACGTTAACGGCCGGATCCCAAGCTGGAGATCTGGCTGAGGTTGGTCTGGTC 583  
 Db 435 AGCATTAACGGCCGGCTCATGGGGCTTACCTGGCTGATGCTGATGCTGATC 494  
 Qy 584 CGGGAGGGCGCTTCATGGCTGGCTCTCTGTAAGGGCTCTGAGCTGGCGC 643  
 Db 495 CACGGTTGGCTGGCTTTCGGATGTTGGTCTCTGATGTTGCTGGTGGTGC 554  
 Qy 644 CGCGAGAAAGTGGTGTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 703  
 Db 555 TTGGAGACGGCTGGTGTGGTGTCACTCATCGTCACTGGCTGGCTGGCTGG 614  
 Qy 704 ACGGACGACGGCCGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 763  
 Db 615 ACTGGAGAACGGCAACGGCACTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 674  
 Db 764 TGGTGGAGGAGAACATGGACGCCCTGGAGGACCCAGGAATGACCCCTGGC 823  
 Qy 675 TGGTCGGAGGATATGCCAACCTGGCCACTTGGCCAAACCTGACCGCTGGCT 734  
 Qy 824 CAGTCGGGGGCCATGAGCATCTGGAGCTGATGATGTCAGCTGGCTGGCTC 883  
 Db 735 GAGTCGGCTGTCATCCACGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTG 794  
 Qy 884 TTCCATGGCCATTGCCAGACTGGCACCGGTTATTCGACGTTTCATCACTGAAAC 943  
 Db 795 TTCCACGAGGCCATGAGACTGGCTGGCCCTCTGCCGGCTCATGCCAGCTCA 854  
 Qy 944 CCAGTGAAAGTGGCAAGGTTGGCCACCCNGCTGGATGCAACCAAGCACAG 1003  
 Db 855 GCTGATGTCATCCACGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTG 914  
 Qy 1004 ATCCGTGAAACCTGCCATGAGGACTATCAGGACCAAGGCTATGCCACAAAG 1063  
 Db 915 GCCCTGGGGCTGCCAGGAGTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 948  
 Qy 1064 ATGAGATTCCTCCAACTGAACTTCAGAGAGGAGATTATCTGGTCCATGAGC 1123

RESULT 5  
 US-09-949-016-555  
 Sequence 555, Application US/09949016  
 ; Patent No. 6812339  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig et al.  
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 ; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001307  
 ; CURRENT APPLICATION NUMBER: US/09/949,016  
 ; CURRENT FILING DATE: 2000-04-14  
 ; PRIOR APPLICATION NUMBER: 60/241,755  
 ; PRIOR FILING DATE: 2000-10-20  
 ; PRIOR APPLICATION NUMBER: 60/237,768  
 ; PRIOR FILING DATE: 2000-10-03  
 ; PRIOR APPLICATION NUMBER: 60/231,498  
 ; PRIOR FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 207012  
 ; SOFTWARE: Fast-SEQ for Windows Version 4.0  
 ; SEQ ID NO: 555  
 ; LENGTH: 2169



344 CCTCTAGTATCCTCAGTTGACCTTCAGAACCCGGAGCCCTGAAAGGAATCGA 403  
 277 CCTCTAGTTCGGATTCGATTCGATTCGATTCGATTCGATTCGAGGTGG 336  
 404 GATGTCACCACTAACCCCTGGCTGGAGTCAGTCGGCTCGATG 463  
 337 GATGAAACCACCCATCGCCATGTCATGCCAGTCAGTGAGAGTT 396  
 464 TAGTCAGCACGGGAACGGTACAAGTGGCTCGGPTCAGGGAGACTGTCTGTAAC 523  
 397 CTTAGCCAGTTCACATGACCTTCAGCTCCAGTCATGTCAGGACTGCCTGACCTC 456  
 524 AAGTGTACGGCGGGCGGGATTCAGCTGGAGTCAGTCGGCTGGTTC 583  
 457 AGCATTCACGCCGCCCCATGCCATAGCCATAGGGTCAACCTGGGTGATGATC 516  
 584 CGGGAGCGCCCTTCATGTCGGCTCTTCAGTCAGGGCTCTGATGGCACC 643  
 517 CACGGTGTGGCTGGCTGGATGGCTCTGGATGGTTCATGGTGGTCC 576  
 644 CGCGGAAAAGTGTGGCTGGCTTCAGGAGACAGGGCTGGCATCTGGC 703  
 577 TTGGAAACGTCGGTGGTCATGGTCACTCCGGTCTCGGGTCTTCAGC 636  
 704 ACGAGCAAGGCAAGCCGGAAACTGGGGCTGTGGACAGATGGCTCTGGC 763  
 637 ACTGGAGAACGCAACGGCAACTGGGTACTTGGCAAGTGGTGAATAGC 696  
 764 TGGGTGAGGAGAACATGCAACCTTCGGGAGCCAGAAATGTCACCC 823  
 697 TGGTCAGAGATACTGGCAGCTTGGGAGACCTGACCTTGG 756  
 824 CAGTCGGGGCCATGAGCATCTAGGAGCTGATGTCACCCCTAGCCTGGGTC 883  
 757 GACTCTGGGGTGGCAAGGTGGCTGGCTCTGGTGTGTCCTGGGGATC 816  
 884 TTCCATCGGCAATTCCAGCTGGACCCGCTTATCAGACTTTCATCACTGAC 943  
 817 TTCCACGGAGCCATCATGGAGACTGGCTGGCTGGCTGGGGCTCATGGCAGTC 876  
 944 CCACGTGAAAGTGGCCAAAGGTGGCCACCTGGCTGGATGCAACACACAG 1003  
 877 GCTGATGTCATTCAGCTGGGCAACTTCAGGAGCAAGGTGACCTGGCTGG 936  
 1004 ATCTCTGTAATCTGCTGAGGGCAACTTCAGGAGCAACGGTGTGTCACAG 1063  
 937 GCCTGGGGCTGGCTGGGG-----GGCAAGTAGTAAAG 970  
 1064 ATAGATTCCTCCAACCTAACCTTCAGAGAGCCGGAGAGTTATCTGGTCATGAGC 1123  
 971 AGGAGATCTGGATT-----AACAAGCTTCAAGATGATCCC 1011  
 1124 CCTGTGGGATGGATGGTGTGATTCAGATGACCCCTGGTGTGTCATGAGC 1183  
 1012 GGATGGGGATGGGTTCTCCAGCACCCCGAGGAGCAACCTTCACTAAGTG 1071  
 1184 GTTCACTCTGTCCTACCTCTAGGTTCAACACTGGAACTTCATGGCTCTGGCT 1243  
 1072 TTTCAGGATCTGGCTGGCTGGATGGTGTGTCATGGCTGGCTCATCCC 1131  
 1244 TATATCATGAGTTCCCTAACCGGAGGATGAGAAAGGAACCTTCACTAAGTG 1303  
 1132 AAGGTATGAGGATCTATGATGAGAAATGGCAAGAGGGCTCCAGGCTGCT 1191  
 1304 CTCTGGAGTACCCGGACCCCTGGTGAATACTACCACTGGAGGAGCTGGAG 1363  
 1192 CTTCAGGAAATGTTAACCTGCTGAGGATGAGGATGAGGAGGATCTGGCTGGAG 1251  
 1364 GAGTACCTGGACAATGTCATGGCTGAGGATGAGGATGAGGAGGATCTGGAG 1423  
 1252 GACT-----ACATGGGCAATGGGCAATCCCAGAACCTCAAGGCAAGTCCAGGAG 1305  
 1424 ATGTTCAAGATGCCACTTCGNGTATGCCACTTCGAGCTCAACTACCAACCGAGAT 1483

Qy 1306 ATGATGGCAGACTCATGGTGTGATCCCTGACCTCCCTGACCAAGTCAGATTCAGTGG---T 1362  
 Db 1484 GCCGGCTCCCTGCTACCTGATGAAATTGAGGTCACAGCTCAGGCTCGTNGG--AATAATCGTC 1540  
 Qy 1363 TCCCGGCGCCCTGNTACCTCTACGATGTCAGGCTCAAGAACATC 1422  
 Db 1541 AAACCCGCACTGATGGGAGGAGCTGGGATGAGATGTACTTCCTGGGGCCCC 1600  
 Qy 1423 AGGCCACGCCACATGAGGAGACCTGGTGTGATGAGCTCTCTTTCAGAAAGTTTC 1482  
 Db 1601 TT-----GSCCACAGGCCCTTCATGGGTAAAGGAAAGGCCACTTGGCTCCAGATGATGATG 1654  
 Qy 1483 TTGGGGCAACTACTAATTCATGGAGAAGGAGGAGCTAGCAAGATGATG 1542  
 Db 1655 AAATACTGGCCCAACTTGGCCACAGAAACCCCAATGTTGGAAATCTGGGATCCTGGCTGG 1714  
 Qy 1543 AAATGACTGGCCCAACTTGGCCACAGAAACCCCAATGCGGAAATGGGAAACCCCAATGCGGAGGTTGGCTGG 1602  
 Db 1715 CCACCTACAGAGGATGAAAGTACCTGAGCTGGTGTGAGTTACCAAGAGTGGCATG 1774  
 Db 1603 CGCTGTTGGACCAAGGGGGCAATCTCCAGCTAACCTGGCTGGGGCGGG 1662  
 Qy 1775 AAGCTCAAGGAGAACAGAGATGGCTTTGGATGA 1808  
 Db 1663 GCTCTAAAGGCCACAGGCTCAGTCTGAAAGA 1696

RESULT 7  
 US-10-023-515-3  
 ; Sequence 3, Application US/10023515  
 ; Patent No. 664091  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Curti, Rory A. J.  
 ; ADDRESS: Silos-Santiago, Immaculada  
 ; TITLE OF INVENTION: FAMILY MEMBER AND USES THEREOF  
 ; FILE REFERENCE: 104-8-12-2001  
 ; CURRENT APPLICATION NUMBER: US/10/023, 515  
 ; CURRENT FILING DATE: 2001-12-18  
 ; PRIORITY APPLICATION NUMBER: 60/256, 369  
 ; PRIORITY FILING DATE: 2000-12-18  
 ; PRIORITY APPLICATION NUMBER: 60/279, 508  
 ; PRIORITY FILING DATE: 2001-03-28  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 3  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-023-515-3

Qy 305 CCCATCAAGCTTCTGGATGGTCTCCCTCCAGACCTCTCTAGGTATCTCACTT 364  
 Db 365 GCACCTCCGAAACCCGGAGCCCTTCAGGATGTCACCTACCTCCGGCT 424  
 Qy 306 AGAACCCGCAAGCCCTGCTCATGGCTCCCTGGGATAACTTCGAGGCTCC 294  
 Db 425 GGGGCTGCTGAGGAGTCTGGGAGGACTCTGGGAGGCTGGCTGGATCTGGCTGG 234  
 Qy 295 TTGTGCTCTCCAGAACTCTAGAGTGTGCTGAGGCTGGCTGGCTGGCAT 351  
 Db 485 TACAGTGGCTGGCTGCTGAGGAGGACTGGCTGAGGAGGACTGGCTGGCTGG 544  
 Qy 352 TACCCGAAATTCGGGATGTCAGGAGCTGGCTTACGCTGCTGGCTGGCTGG 411  
 Qy 545 GCGCCGGGGAAATCCCAGCTGGCTTCCGGGAGGGCTGGCTGGCTGGCTGG 604





FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: human acetylcholinesterase gene optimized for  
; OTHER INFORMATION: expression in plants  
US-09-810-861B-5

Query Match 7.5%; Score 148.2; DB 4; Length 1755;  
Best Local Similarity 48.3%; Pred. No. 1.9e-10;  
Matches 680; Conservative 0; Mismatches 693; Indels 36; Gaps 8;  
; Matches 305 CCCATCCAAGTTTCTTAGGACTCCCTTCAGACCTCTCTAGTTATCCTAGTTT 364  
Db 175 CCGTCCTCTGGTTCGGATCCCTTGAGGACCCGGTGGCT 234  
Qy 365 GCACCCCGAGAACCCCCGGAGCCCTGGAAAGGAATCAAGATGCTTACCACTACCCGCCT 424  
Db 235 CTGCCAACCGGGAGCCCTGGAGCCGGTGTGGGACCCGGTGGCT 294  
Qy 425 CGGTGGCTGGAGGAGCTGGCTCATGGTCAACCGGGAAACGG 484  
Db 295 GTCTGTGCTAACCTATATGT---GGACACCCCTAACCCGGTGG 351  
Qy 485 TACAAGTGGCTCGGGTCAAGCGGAGGTGCTGTGTAAGCTGTAACGGCCGGCGC 544  
Db 352 AACCCCACCTGGAGCCGGAGGGTCAAGCTGGCTAACCTACCC 411  
Qy 545 CGGCCGGGGATGCTGAGGAGCTGGCTGTGGTCCCGGAGCCCTCATCGTG 604  
Db 412 CGGCC---TAGATCCCCACCCCTGGCTGGCTAACCTAACGCTGTAAGCT 468  
Qy 605 GCGCGCTCTT----CTAGCAGGGGTGAGCTGGAGGACTGGTG 658  
Db 469 GGGGCTCTCTCTGGACGTGTAGATGGCCGTTCTGGTACAGGGACTGTG 528  
Qy 659 CTGGGTTCCTGGAGCACAGGCTGGCATCTTCGGCTGGAGCACGCC-- 716  
Db 529 CTGGGTTCCTAGAACTACGGGTGGCTTCCTGGCTGGCTGGAGCGA 588  
Qy 717 -ACGGCGCGGGAACTCTGGGGCTGGACAGATGGCGCTCTGGCTGGCTGGAGG 775  
Db 589 GAGGCCCGGGCAATCTGGCTCTGGATAGGGCTGGCTGGAGCTGGAGG 648  
Qy 776 ACATGGCGGCTCTGGAGGAATGTGACCCGGCTGGCCCATGGGGGG 835  
Db 649 AACATGGCGGCTCTGGGGTACCCGACATCTGGCTGGGGGGAA 708  
Qy 836 GCCATGAGGATCTCAGGACTCTGGATGTTACCCCTAGCTGGCTCTGGCC 895  
Db 709 GCGGCCCTGGCATGGCTGGCTGGCTGGCTGGCTGGCTGGCC 768  
Qy 896 ATTCCTCGAGTGG-----GACCGCTTATTCAGCTTCTCATCTGGAACTCACTG 949  
Db 769 GTGCTGAGCGGGTGGCTGGCTGGCTGGCTGGCTGGCTGGGGCGGT 828  
Qy 950 AAAGTGCGCAAGAAGGTGGCCACCTGGCTGGATGACAGACAGATCCTG 1009  
Db 829 CGCAGGGCCACCGAGCTGGCCACCTGGCTGGCTGGCTGGGAAT 888  
Qy 1010 GTAACTGCTGGGGCACTATCAGGACCAAGGTGATGCTGTGTC 1069  
Db 889 GACACAGAGCTGGTAGCTGGCTTCAGCAACAGCTGGAA----- 941  
Qy 1070 TTCCCTCAACTGAAGCTTCAGAGACGGGAGGATTATCTGGTCCATGGCCCTGT 1129  
Db 942 -CCAGAATGGCACTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 999  
Qy 1130 CTGGATGGTGTGGTGTGACTCCAGCTGGCTGGCTGGCTGG 1189  
Db 1000 GTAGATGGAGACTCTGGCTGGCTGGCTGGCTGGCTGGCTGG 1059  
Qy 1190 TCTGCGCCCTAACCTGGCTGGCTGGCTGGCTGGCTGGCTGG 1249  
Db 1060 GGCGCTCAGGCTCTGGCTGGCTGGCTGGCTGGCTGGCTGG 1119

Query 11; US-07-732-962A-1  
; Sequence 1, Application US/07732962A  
; Patent No. 528604  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Meir  
; TITLE OF INVENTION: EXPRESSION OF ENZYMATIALLY ACTIVE  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: John P. White, Esq.  
; STREET: 30 Rockefeller Plaza  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10112  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/732,962A  
; FILING DATE: 19910722  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 39304/JPN/LSW  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 977-9550  
; TELEFAX: (212) 644-0525  
; TELEX: 422523 COOP UT  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1845 base pairs  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear

MOLECULE TYPE: DNA (genomic)  
 FEATURE: CDS  
 LOCATION: 1..1842  
 US-07-732-902A-1

Query Match	7.5%	Score 148.2; DB 1; Length 1845;
Best Local Similarity	48.3%	Prd. No. 1..9e-30;
Matches 680; Conservative	0; Mismatches 69;	Indels 36; Gaps 8;

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Qy 305 CCCATCCAAAGTCTTTAGAGTCGCCCTCTCCAGACTCCTCTAGATTCTCAGATT 364
Db 175 CCTGTCCTCGCTTCCTGGCATCCCTTGGAGAACCCATGGACCTGGCTGCTT 234
Qy 365 GCACCTCCAGAACTCCCGAGCCGTGGAGGATCACAGATGAGCTAACACCTAACCGCT 424
Db 235 CTGCACCGAGCCAAAGAGCTTGTGTCAGGGTGTAGACCTTCCAGAGT 294
Qy 425 GGTCGCCCTCAGGGTCTGGGCCAGCTGGCTGATGTAACGACGGGAACGG 484
Db 295 GTCTGCTAACATAATGT----GGAACCTTACCCAGTTTGGGACCGATGG 351
Qy 485 TACAGTGGCTGGCTTCAGGGAGACTGCTTACCTGAACTGTAGCGGCCGGC 544
Db 352 AACCCAACTGGTGGCTGGAGGAGCTTACCTGAACTTACCTGAACTAACCC 411
Qy 545 GCGCCGGGATCCAGTGCACTGCTTACCTGAACTGTAGCGGCCGGC 544
Db 412 CGGC----TACATCCCCACCCCTGTCCTGGAATCTATGGGTCTCAAGT 468
Qy 605 GGCGCTCTCTCTCTGGAGCTGGAGCTCTGACTTGGCCGGAGAAGTGGT 658
Db 469 GGGGCTCTCTCTGGAGCTGGAGCTGGAGCTGGCCGGAGGAGCTGG 528
Qy 659 CTGGTGTCTGAGCAAGGCTGGCATCTGGCTTCTGACCACTGGAGGCC-- 716
Db 529 CTGGTGTCTGAACTACCCGGTGAATCTGGCTGGAGCTTGGCTCTGGCTCTGGGAGGCCGA 588
Qy 717 -ACGGCGCGGAAGTGGGGCTGTGACCAAGTGGGGCTGTGCTGGCTGGGAG 775
Db 589 GAGGCCCGGCAATTGGGGTCTCTGGATCAGGGCTGGCTCTGGAG 648
Qy 776 AACATGAGCCCTGGGAGACCAGAAATGTGACCTGGCTGGGG 835
Db 649 AACCTGGCGSCTTGGGTGACCTGACTGGCTGGGGCA 708
Qy 836 GGCATGAGCATCTCAGGACTGATGATGTCACCTGGCTGGGGCA 895
Db 709 GCGGCTGGTGGGATGACCTGTTCCGGCCAGGGGGCTGTCCACAGGCC 768
Qy 896 ATTTCCAGAGTGG----CACCGCGTATTAGACATTTCATCATAGTAACCCATG 949
Db 769 GTGGCTCAGACGGCTCCCTAAATGACGGCTGGGATGGGGCT 828
Qy 950 AAAGTGGCCAGAAAGTGGCCACCTGGCTGGGAGTCAACCAACAGCATCTG 1009
Db 829 CGCAGGCCAGCTTCCAGAGAACCTGGCCACCTGGGGCTTCAGGGAACTGGGAAT 888
Qy 1010 GTAAACTGGCTGAGGCACTPATCAAGGACCGAGGTGATGGTGTGCAACAGATGAGA 1069
Db 889 GACACAGGACTCTGGTGGAGACCCAGGGCTCTGGCTGGGAGACTTCAC 941
Qy 1070 TTCCCTCAACTGAACTTCCAGAGAACCTGGCTGGGGCTTCAGGGCACTGGTGTG 1129
Db 942 --CCACGATGCACTGCTGCTGGTGGCTGGCTGGGGCTTCAGGGCACTGGTGTG 999
Qy 1130 GTGGATGGTGGTGGTGAATCCAGATGACCCAGCTGGCTGGCTGGCTGGCTGGTGTG 1189
Db 1000 GTAGATGGAGACTCTGGTGGAGACCCAGGGCTCATCAAGGGAGACTTCAC 1059
Qy 1190 TCTGTGGCTAACCTCTAGGTGTCACAAACCTGGAAATCAATTGGCTCTGGCTPATATC 1249
Db 1060 GGCCTGGAGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1119

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Qy 1250 ATGAAAGTCCGTAACCGGAGATGAGAAAGAAACCATCACTAAAGTGGCTCTGG 1309
 Db 1120 GCCCAGGGTTCAGAAGAACGAGCTCTCTCATAGCGGGCCAGTCTGGCTGGGG 1179
 Qy 1310 AGTACCOGGCACCTGTTGAATPATCAACAGGAGCTTGGTGGAGGAGTAC 1369
 Db 1180 GTGCGGTCTGGGTCCCAGTAAGTGAATCTGGCTGTGCTGATTAC 1239
 Qy 1370 CTGGACATGTCATAGCATGACTGAGCTGAGTGGAAAGTGGCTAGAAACCGTATGAGCATAGTT 1429
 Db 1240 ACAGATGGCTGGCATCCGGAGACGGCAGGGCTGGCTGGGAGCTGGATGGTT 1299
 Qy 1430 CAAGATGCGACTTGGTGTATCCAACATGGAGATCTGCTGAACTACCAACCGGATGCGGC 1489
 Db 1300 GGAGACCAAAATGGTGTGTCGGCCAGCTGGGAGCTGGCTGGGGT 1359
 Qy 1490 CTCCCTGCTTACCTGTTGATGAAATTGGACCAACGGCTGTGGAATATCGTCAAACCCGC 1549
 Db 1360 GCGGGCTTACGGTACGCTTGAACCGTGC---TTCCAGCTGGCCCTGT 1416
 Qy 1550 ACTGATGGGGAGACCATGGGATGGATGACTTCTCTTGGGGCCCTT---CGCC 1606
 Db 1417 TGATGGGGTGGCTGGCTGGCTGGATGAGTCACTCTGGATCCCTGACCCC 1476
 Qy 1607 ACAGGCCCTTCATGGTAAGGAGGACTTAGCTCCAGATGATGAAATACTGGCC 1666
 Db 1477 TCTGAAACTACGGAGAGAAATCTGGCCAGGAAACCCATGA 1695
 Qy 1667 AACTTGGCCGACAGGAACCCATGA 1695
 Db 1537 AACCTGGCCGACAGGGATCCAAATGA 1565

RESULT 1.2  
 PCT-US92-06106-1  
 Sequence 1, Application PC/TUS9206106  
 GENERAL INFORMATION:  
 APPLICANT: Fischer, Meir  
 TITLE OF INVENTION: ENZYMATICALLY ACTIVE RECOMBINANT HUMAN  
 NUMBER OF SEQUENCES: 2  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: John P. White, Esq.  
 STREET: 30 Rockefeller Plaza  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10112  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US92/06106  
 FILING DATE: 19920722  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: White, John P.  
 TELEPHONE: (212) 977-9550  
 TELEFAX: (212) 664-0525  
 REGISTRATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1845 base pairs  
 TYPE: NUCLIC ACID  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)



Qy	545	TACAAGTGGCTCGGCTTCAGGGAGACTGTGTACCTGTAAACGTGTACCTGCCCCGGCGC	544
Db	446	AACCCAAACCGTGAATGAGTGGAGGTCTACCTAACGTGTACCTAACCTAACCCC	505
Qy	506	GCGCC---TACATCCCCACCCCTGTCTCTGTATCATGAGCTGGCTCTAAGCTTCAACTG	604
Db	605	GGCGCTGGCTTT-----CTACAGGGGCTCTGACTTGGCGCCGAAAGAACTGGTG	658
Qy	563	GGGGCTCTCTCTGGACGTGTACATGGGCGCTTGTGAGCGAGCTGTG	622
Db.	659	CTGGCTTTCTGAGCACAGCTCGCATCTTCGCTGGCTTCCTGAGAACGAGGCC--	716
Qy	623	CTGGTETCCATGAATCACCGGTGGAGCTTCCTGGGGCTGGAGCGCGA	682
Qy	717	-ACGCGCGGAACTGGGCTGTGGACAGATGGCTCTCGCTGGTGAAGG	775
Db	683	GAAGCCCGGGCAATCTGGCTCTCTGGATAGGGCTGGCTGAGCTGGTGAAGG	742
Qy	776	ACATCGCACTTCGGGGAACTCCAGAAATGTACCCCTGTCGCACTGGGG	835
Db	743	AACGTGCGACATCGCTGGGGTACCCGACATCACTGAGCTGGAGAGCGCGGA	802
Qy	836	CCCATCGGATCTCAGGACTATGTCAGCTCCAGCTTAGCCCTGGCTCTTCATGGGCC	895
Db	803	GCGCCTCGGTGGCATGACCTGTCGTCCTGGCCAGGGCTCTACAGGGCC	862
Qy	896	ATTTCGCAAGCTG-----CACCGGTTATTCAGACTTAACCACTG	949
Db	863	GTGCTSCAGAGCGTGGCTGGGCACTGGGATGGAGAGGCCGT	922
Qy	950	AAAGTGGCCAAGAAGGTTGCCACCTGGCTGATGCAACGACACAAGATCCG	1009
Db	923	CGAGGGCAACCAAACCAACAGACACAAGATGGCACTGGGAAT	982
Qy	1010	CTAAACTGGCTGGGCACTATCAGGGCACTAGGTGATGGCTTCACAGATGAGA	1069
Db	983	GACACAGAGCTGTACCCCTGGCTTCGACAGACGGGTCTGGTAA-----	1035
Qy	1070	TTCCTCAACTGAACCTCAGAGACTGGCTCATGGAGCTCTGGCTGTG	1129
Db	1036	-CCAGAATGCGCTGGCTCTCTGGCTCTCTGGCTCTGGCTGTG	1093
Qy	1130	GTGGATGGTGTGATCCGAGTCCGCTGGCTCTGGCTCTGGCTGAGTTTCA	1189
Db	1094	GTAGATGGAGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTGAGTCA	1153
Qy	1190	TCTGTCCTCCACTCTAGGTGTCAACACTGGATTCAATTGGCTTATATC	1249
Db	1154	GGCCITSCAGGTGTGTTGGTGAAGGGATGGCTGTTACGGGG	1213
Qy	1250	ATGAATTCGGCTTAACCGCAGGGATGAGAAAGAACATACTAGATGGTCTGG	1309
Db	1214	CCCCCAGGGTCACTGAGAACAGGTCTCTGGGGAGGTCTGGCTGGGG	1273
Qy	1310	AGTACCGCACCTGTGATAATCACAAAGGAGGAGTCACTGTTGAGAAGTAC	1369
Db	1274	GTGCGGTTCTGAGCAATGAGCATGACTGGAGCTGGCTCTGGCTGTTAC	1333
Qy	1370	CTGGAGAAATGTCAATGAGCATGACTGGAGCTGGCTGAGAACGCTATGAGTGTAGTT	1429
Db	1334	ACAGACTGGCTGCATCCGGAGCCGGACGGCTGAGCTGGCTGTTGTTG	1393
Qy	1430	CAAGATGCCACTTCTGTGAACTACCAAGGAGGAGTCACTACCAAGATGCCG	1489
Db	1394	GGGAGACCAAGATGTCGTCGTCGGCTGGCTGGCTGAGCTGGCTGGGG	1453
Qy	1490	CTICCTGTCACCTGTGAACTACCAAGGAGGAGTCACTACCAAGATGCC	1549
Db	1454	GGCCGEGSTCTCGAGCACAGCTGGGGCTCTGGAGCTGGCTGAGGAG	1510
Qy	1550	ACTGATGGGAGACCTGGGAGTGGACTCTCTGGGGCCCTTCTGGGAGCT	1606
Db	1511	TGGATGGGGTGGCCCTACGGCTACGGATCCCTGGATCCCTGGACCCC	1570
Qy	1607	ACAGGSCCTTCCATGGTAAAGGAGGAGCTTACCCCTGGATCTGGGCC	1666
Db	1571	TCTCGAACTACAGGAGGAGAAATCTGGATCTGGCTGATGGCT	1630
Qy	1667	AACTTGGCCACGGAGACCTGGCTGAGTGAATACTGGATCTGGGCC	1695
Db	1631	AACTTGGCCACGGAGTCCAGGAGAAATCTGGCTGATGGCT	1659



Job time : 349 secs

Db	688	CTGGTGTCCATGAACTACCGGTGGGAGCCCTTGCGTCCTGCCTGCCCTCGGGAGGCCA	747
Qy	717	-AGCGCCTGGAAACTGGGCTAGTGACAGATGGGCTCTGGTGGAG	775
Db	748	GAGGCCGGCATGTTGGGCTTCCCTGATCAGGGCTGCCCTGCACTGAGAG	807
Qy	776	AACATGCCAACCTTCGGGAGACCCAGAAATTGACCTCTAGCTCGGGTCTCTTCCATCGGGC	835
Db	808	AACGGGGGACCTTCGGGGTGAACATGAGCTTGGGAAAGGAAAGGAA	867
Qy	836	GCGATGACATTTGAGCTGAGCTGATCTGCCCTAGCTGGGTTCTTCCATCGGGC	895
Db	868	GCGGCCCTGGGTGGCATGCACTCTGCCCCGGCCAGCGGCCCTGTTCAAGGGCC	927
Qy	896	ATTTCACAGAGTG-----CAACGGGTATTAGACTTTCTACTAGTAACCACTG	949
Db	928	GTCCTGCGAGGCGGTGGCCACCTGGGACCTGGGCACTGGGCGATGGGAGGCCGT	987
Qy	950	AAATGGGGCAAGAGGGTTCCTGGCTGGTGAACACCAACAGACATCTG	1009
Db	988	CGGAGGGCAAGAGCTGGCCACCTTGGGCTGTTCTCAGGGGCACTGGGGAAAT	1047
Qy	1010	GTAACATGCGTGGCACTATGGGACCAAGGTGATCGGTGTCCAAAGATGAGA	1069
Db	1048	GACAGAGGCTGGTGAAGCCGGCAAGGCTCTGTGAA-----	1100
Qy	1070	TTCCTCCAACTGAACTTCCAGAGAACCCGGAAAGATAATCCTGGTCCATGAGGCCCTG	1129
Db	1101	--CCAGATGGCAGCTGGCTTGCCCTGGAAACAGACAGGCTCTGGCTGGCTGG	1158
Qy	1130	GTCGATGGTGGTGGTGAATCCAGATGACCCCTTGGCTCCCTGACCCAGGGAAAGTTCA	1189
Db	1159	GTACATGGAGACTTCCTAGTGACACCCAGAGGCCCTCATCACGCGGGAACTTCCAC	1218
Qy	1190	TCTCTGCCCTACCTTCTAGGTGTAACAAACTCTGGAAATTGATTCCTGCTTATATC	1249
Db	1219	GGCTTGAACTGGTGTGGTGGTGTGAGGATGAGGGCTGTATTTCTGGTTACGG	1278
Qy	1250	ATGAGATTCGGTAAACGGCCGGCTAACGGCCGGCTGAGAAGGAAACCATAACTAA	1309
Db	1279	GCCCCAGGGTTCAGAAAGCAAAGAGCTCTCATCGGGGGGAGATTCGGG	1338
Qy	1310	AGTACCCGGACCCCTGTTGAAATACCAAGGAGGAGGTACACATGTTGGAGGAGTAC	1369
Db	1339	GTGGGGCTGGGTTCCCGGGTAATGTGACCTGGCCAGGGCTGTGGCTGCAATTAC	1398
Qy	1370	CTGGACAATTCATGAGATGACTGGAAAGATGTGACGAACTGATGAGCATAGT	1429
Db	1399	ACAGATGCCACTTCTGTTGTAATGCCACACTCAGACTGTCGACTACCGGAGATGTGG	1458
Qy	1430	CAAGATGCCACTTCTGTTGTAATGCCACACTCAGACTGTCGACTACCGGAGATGTGG	1489
Db	1459	GGGACCAACATGTCGTCGCCCTGGCAAGCTGGCTGGGAGCTGGTGGCCAGGGT	1518
Qy	1490	CTCCTGTCACCTGATGATTGAGATGACTTCCTTGGGGCCCTT---CGCC	1549
Db	1519	GCCCGGGCTAACGGCTAACGGCTAACCGTGC---TTCCACCTCTGGCCCTG	1575
Qy	1550	ACTGATGGGGAGACATGGGGATGAGATGACTTCCTTGGGGCCCTT---CGCC	1606
Db	1576	TGGATGGGGTGGCCACGGCTAACGGATGAGTCACTTGGATCCCGCTGGACCCC	1635
Qy	1607	ACAGCCCTTCCATGGTAAGGAGGGCACTAACCTCCAGATGAAATACTGGGC	1666
Db	1636	TCTCGAAACATCACGGCAAGGGAAATCTCGCCAGGGACTGATGCAATACTGGGC	1695
Qy	1667	AACCTTGCCCGACAGGAAACCCCAATGAA	1695



61	GATAAAGTGTCTCACACACTGACAGCCTACATGCCATCACAGCTTGCATC 120	Db	1141	GCTGATTCAGATGAACTCTTGGCTCGACCCGGDAAGGTTCATGTGCCCTA 1200
121	CACAGTGTGCCATCACTCTGCCAACAGCAGGAGCTGGCTGAGATGGATTCT 180	Qy	1201	CCTTCAGGGTCAACAAACCTGGAAATTCATGGCTCTGGCTTATATCATGAAGTCCC 1260
121	CACAGTGTGCCATCACTCTGCCAACAGCAGGAGCTGGCTGAGATGGATTCT 180	Db	1201	CCTTCAGGGTCAACAAACCTGGAAATTCATGGCTCTGGCTTATATCATGAAGTCCC 1260
181	GTCCTGGAGGCTTCAACCTCTGCTGATGGCTGGCTGGAGATGGATTCT 180	Qy	1261	GCTAAACGGAGGGATGAGAAAGGAAACCATCTAAGATGCTGGAGTACCCGAC 1320
181	GTCCTGGAGGCTTCAACCTCTGCTGATGGCTGGCTGGAGATGGATTCT 180	Db	1261	GCTAAACGGAGGGATGAGAAAGGAAACCATCTAAGATGCTGGAGTACCCGAC 1320
240	GAGCCCTTAAGTGTCACTAAATGGAAACATGATGATGTGGGAA 300	Qy	1321	CCTGTTGAATATCACCAAGGAGCTTACCTGGAGGACTCTGGACATGT 1380
241	GAGCCCTTAAGTGTCACTAAATGGAAACATGATGATGTGGGAA 300	Db	1321	CCTGTTGAATATCACCAAGGAGCTTACCTGGAGGACTCTGGACATGT 1380
301	GACACCCATCAAGTCTTACAGATGCTCCCTCTCCAGACCTCCCTAG 360	Qy	1381	CRATGAGCATGACTGGAGATGCTAGAAACCGTATGGACATATGTTCAAGATGCCAC 1440
301	GACACCCATCAAGTCTTACAGATGCTCCCTCTCCAGACCTCCCTAG 360	Db	1381	CRATGAGCATGACTGGAGATGCTAGAAACCGTATGGACATATGTTCAAGATGCCAC 1440
360	301 GACACCCATCAAGTCTTACAGATGCTCCCTCTCCAGACCTCCCTAG 360	Qy	1441	TTCIGTGTATGCCACATGAGACTGGCTAGAAACCGTATGGACATATGTTCAAGATGCCAC 1500
361	GTTGCACTCCAGAACCCCGAGCCCTGGAAAGGAAATCAGAGTCTAACCTAACCC 420	Db	1441	TTCIGTGTATGCCACATGAGACTGGCTAGAAACCGTATGGACATATGTTCAAGATGCCAC 1500
361	GTTGCACTCCAGAACCCCGAGCCCTGGAAAGGAAATCAGAGTCTAACCTAACCC 420	Qy	1501	CCTGTTGAATTGAGGACCAAGCTCTGGAAATAATGTCAAACCCGACATGATGGGC 1560
421	GCTTGGGTCTCAGAGTCTGGCTCTGGAGACTGGCTCTGGATGTCAGACCGGG 480	Db	1501	CCTGTTGAATTGAGGACCAAGCTCTGGAAATAATGTCAAACCCGACATGATGGGC 1560
421	GCTTGGGTCTCAGAGTCTGGCTCTGGAGACTGGCTCTGGATGTCAGACCGGG 480	Qy	1561	AGACCATGGGATGAGATGACTCTCTGGGCCCCCTTCGCACAGGSCCTTTCAT 1620
481	ACCGTACAGTGGCTGCTGGCTCTGGAGACTGGCTCTGGATGTCAGCGGGC 540	Db	1561	AGACCATGGGATGAGATGACTCTCTGGGCCCCCTTCGCACAGGSCCTTTCAT 1620
481	ACCGTACAGTGGCTGCTGGCTCTGGAGACTGGCTCTGGATGTCAGCGGGC 540	Qy	1621	CGTAAGAGAGGGACTTAGCTCAGATGATAATACTGGGCAACTTGGCCAC 1680
541	GCGCGCCGGGATCCACGTCAGGTGATGGCTGGTCCCCGGAGGGCCPTCAT 600	Db	1621	CGTAAGAGAGGGACTTAGCTCAGATGATAATACTGGGCAACTTGGCCAC 1680
541	GCGCGCCGGGATCCACGTCAGGTGATGGCTGGTCCCCGGAGGGCCPTCAT 600	Qy	1681	ACGAAACCCCATGATGCGAATCTGGGAATCTGGGCTCTGGCCATGAAAGTGAAGTGA 1740
601	CGTGGGCTGCTGCTCTGGTACAGGCTGGCATCTGGACAGGCTGGCT 660	Db	1681	ACGAAACCCCATGATGCGAATCTGGGAATCTGGGCTCTGGCCATGAAAGTGAAGTGA 1740
601	CGTGGGCTGCTGCTCTGGTACAGGCTGGCATCTGGACAGGCTGGCT 660	Qy	1741	CTTGCACTGTGGATTTACCAAGAGCTGGGATGGCTAAGGAGAAATGGCTTT 1800
661	GGTGTTCCTGACAGCTGGCATCTGGACAGGCTGGCT 720	Db	1741	CTTGCACTGTGGATTTACCAAGAGCTGGGATGGCTAAGGAGAAATGGCTTT 1800
661	GGTGTTCCTGACAGCTGGCATCTGGACAGGCTGGCT 720	Qy	1801	TTGGTGTGGCTGACAGCTGGGATGGCTAAGGAGAAATGGCTTTAAGGGGGCT 1860
721	GCGCGGGAAACTGGGGCTCTGGACAGATGGCTGGCTCTGGACAGGACAT 780	Db	1801	TTGGTGTGGCTGACAGCTGGGATGGCTAAGGAGAAATGGCTTTAAGGGGGCT 1860
721	GCGCGGGAAACTGGGGCTCTGGACAGATGGCTGGCTCTGGACAGGACAT 780	Qy	1861	ATGCCAGGAAGGGGCCAAAGAGGGTTGGCCCCACACATCAGGGCTGGAGACTAGCC 1920
781	CGAGCCCTGGGGAGGCCAGAAATGGCTGGCTCTGGACAGGCTGGCT 840	Db	1861	ATGCCAGGAAGGGGCCAAAGAGGGTTGGCCCCACACATCAGGGCTGGAGACTAGCC 1920
781	CGAGCCCTGGGGAGGCCAGAAATGGCTGGCTCTGGACAGGCTGGCT 840	Qy	1921	ATGGACATACCTGGGGACAAGAGCTGGCCAAAGGGGATGGCTTAAACCTGGAGAC 1980
841	GAGGATCTAGGACTGATGTCACCCCTAGCTGGCTCTGGCTGGCT 900	Db	1921	ATGGACATACCTGGGGACAAGAGCTGGCCAAAGGGGATGGCTTAAACCTGGAGAC 1980
841	GAGGATCTAGGACTGATGTCACCCCTAGCTGGCTCTGGCTGGCT 900	Qy	1981	TAG 1983
901	CCAGAGTGGCACCGCGTTATTAGACCTTTCATCACTAGTAACCCACTG 960	Db	1981	TAG 1983
901	CCAGAGTGGCACCGCGTTATTAGACCTTTCATCACTAGTAACCCACTG 960	Qy	1981	TAG 1983
961	GAGGGCACTATACGGACCAAGETGATGGCTGGCTAACATGGCTAACCT 1020	Db	1020	GGGGCACTATACGGACCAAGETGATGGCTGGCTAACATGGCTAACCT 1020
961	GAGGGCACTATACGGACCAAGETGATGGCTGGCTAACATGGCTAACCT 1020	Qy	1021	GAGGGCACTATACGGACCAAGETGATGGCTGGCTAACATGGCTAACCT 1080
1021	GAGGGCACTATACGGACCAAGETGATGGCTGGCTAACATGGCTAACCT 1080	Db	1021	GAGGGCACTATACGGACCAAGETGATGGCTGGCTAACATGGCTAACCT 1080
1021	GAGGGCACTATACGGACCAAGETGATGGCTGGCTAACATGGCTAACCT 1080	Qy	1081	GAACCTCCGGAGAACCCGAAGAGATPATCTGGCTGGCTAACATGGCTAACCT 1140
1081	GAACCTCCGGAGAACCCGAAGAGATPATCTGGCTGGCTAACATGGCTAACCT 1140	Db	1081	GAACCTCCGGAGAACCCGAAGAGATPATCTGGCTGGCTAACATGGCTAACCT 1140
1141	GGTGTATCCAGAGTACCCCTTGGCTGCTGGCTAACATGGCTAACCT 1200	Qy	1141	GGTGTATCCAGAGTACCCCTTGGCTGCTGGCTAACATGGCTAACCT 1200

APPLICANT: SANJANWALA, Madhusudan M.; TANG, Y. Tom;	Qy	558	CCAGCCTGCCACTGTCGTTCATGGGGCGCTTCATGGGGCTCTTCCT	617
APPLICANT: THANGAVELU, Kavitha; THORNTON, Michael;	Db	567	CCAGCCTGCCACTGTCGTTCATGGGGCGCTTCATGGGGCTCTTCCT	626
APPLICANT: TRIBOLEY, Bridget A.; CHAWLA, Narinder K.;	Db	618	CGTACGGGCCCTGACTTGCTGTTCTGGCAAGCAGCACAA	677
APPLICANT: WARREN, Bridget A.; YANG, Junming;	Db	627	CGTACGGGCCCTGACTTGCTGTTCTGGCAAGCAGCACAA	686
APPLICANT: YAO, Monique G.; YUE, Henry	Db	678	GGTTCGGCATCTTCAGCAAGGAAACTGGGGCTGGCAAGCAGCACAA	737
FILE REFERENCE: PI-0185 USN	Qy	687	GCTTCGGCATCTTCAGCAAGGAAACTGGGGCTGGCAAGCAGCACAA	746
CURRENT FILING DATE: 2003-01-29	Qy	738	TCTTGACCAAGATGGCCACTCTGCCTGGGGAGCTGGGGAG	797
PRIOR APPLICATION NUMBER: US 6/0/223,055	Db	747	TCTTGACCAAGATGGCCACTCTGCCTGGGGAGCTGGGGAG	806
PRIOR FILING DATE: 2000-08-04	Db	798	ACCCAGGAAATGTCACCTGGCTGGCTGGCACTGGCACTTCAGCTGA	857
PRIOR APPLICATION NUMBER: US 6/0/224,728	Qy	807	ACCCAGGAAATGTCACCTGGCTGGCTGGCACTTCAGCTGA	866
PRIOR FILING DATE: 2000-08-11	Db	858	TGATGTCACCCCTAGCCCTGGGGCTCTTCATGGCAATTCCAGA	917
PRIOR APPLICATION NUMBER: US 6/0/226,440	Qy	867	TGATGTCACCCCTAGCCCTGGGGCTCTTCATGGCAATTCCAGA	926
PRIOR FILING DATE: 2000-08-18	Db	918	TATTCAAGCTTTCATCACTGAACTGAAAGGTGGCCACCTGG	977
PRIOR APPLICATION NUMBER: US 6/0/228,067	Db	927	TATTCAAGCTTTCATCACTGAAACCTGAAAGGTGGCCACCTGG	986
PRIOR FILING DATE: 2000-08-24	Qy	978	CTGGATGAAACCAACCAACCAACCAACCAACCAACCAACCAAC	1037
PRIOR APPLICATION NUMBER: US 6/0/230,063	Db	987	CTGGATGAAACCAACCAACCAACCAACCAACCAACCAACCAAC	1046
PRIOR FILING DATE: 2000-08-31	Db	1038	CCAAGGTATGGCTGTCATGGCAAGATGAGATTCCAGAGACC	1097
PRIOR APPLICATION NUMBER: US 6/0/232,244	Qy	1047	CGAAGGTATGGCTGTCATGGCAAGATGAGATTCCAGAGACC	1106
PRIOR FILING DATE: 2000-09-13	Db	1098	CGGAAGGAACTATCTGGCCATGAGCCCTGTTGATCCAGATGACC	1157
PRIOR APPLICATION NUMBER: US 6/0/234,269	Qy	1107	CGGAAGGAACTATCTGGCCATGAGCCCTGTTGATCCAGATGACC	1166
PRIOR FILING DATE: 2000-09-20	Db	1158	CTTGGCTCTGACCCAGGGAAAGGGTTCTAGGTGTAACA	1217
NUMBER OF SEQ ID NOS: 38	Db	1167	CTTGGCTCTGACCCAGGGAAAGGGTTCTAGGTGTAACA	1226
SOFTWARE: PERL Program	Qy	1218	ACCTGGAAATTCAATTGGCTTCCTATACTGAAAGTCCCCTAAACGGGGAGGGCA	1277
SEQ ID NO: 29	Db	1227	ACCTGGAAATTCAATTGGCTTCCTATACTGAAAGTCCCCTAAACGGGGAGGGCA	1286
LENGTH: 2081	Qy	1278	TGAAAGGAAACCCTACTAAGATGGCTGGTGAATATCACCAC	1337
OTHER INFORMATION: Incyte ID No: 7478588CB1	Db	1287	TGAAAGGAAACCCTACTAAGATGGCTGGTGAATATCACCAC	1346
FEATURE: NAME/KEY: misc_feature	Db	1338	AGAGGGGTAACCTGGTGGAGGTTCTAGGTGTAACTGG	1397
ORGANISM: Homo sapiens	Qy	1347	AGAGGGGTAACCTGGTGGAGGTTCTAGGTGTAACTGG	1406
FEATURE: NAME/KEY: misc_feature	Db	1398	ACATGCTAGAAACCTGATGGCACATAGTTGAACTGGTGTATGCCACAC	1457
OTHER INFORMATION: Incyte ID No: 7478588CB1	Qy	1407	AGATGCTAGAAACCTGATGGCACATAGTTGAACTGGTGTATGCCACAC	1466
SEQ ID NO: 10-343-593-29	Db	1458	TGAGAGCTGCTGCACTAACCGGAGATGCCGCTTCCTGCTGTAATTTGAG	1517
FEATURE: NAME/KEY: misc_feature	Qy	1467	TGAGAGCTGCTGCACTAACCGGAGATGCCGCTTCCTGCTGTAATTTGAG	1526
NAME/KEY: misc_feature	Db	1518	ACACGGCTCTCTTGGGGCCCTTCACAGGGCTTCAGGGGAGGAG	1577
OTHER INFORMATION: Incyte ID No: 7478588CB1	Qy	1527	ACACGGCTCTCTTGGGGCCCTTCACAGGGGAGGAG	1586
FEATURE: NAME/KEY: misc_feature	Db	1578	TGACTCTCTCTTGGGGCCCTTCACAGGGCTTCAGGGAGGAG	1637
OTHER INFORMATION: Incyte ID No: 7478588CB1	Qy	1587	TGACTCTCTCTTGGGGCCCTTCACAGGGCTTCAGGGAGGAG	1646

Y	b	1638	TTCAGCTTCCAGATGTAACTTGCGCCAACTTGGCGACAGGAAACCCCCAATGATG	1697
Y	b	1647	TTCAGCTTCCAGATGTAACTTGCGCCAACTTGGCGACAGGAAACCCCCAATGATG	1706
Y	b	1698	GGAATCTGCCTGGCCACCGCTAACAAAGGATGAAAGTACCTGCAGCNGGATTAA	1757
Y	b	1707	GGAACTGCGCTGGCGACAGCTAACAAAGGATGAAAGTACCTGCAGCTGGATTAA	1766
Y	b	1758	CCACAGACTGGCGCTTGAGCTTAAGGACAAGAAGATGGCTTITGGATGACCTCTGTACCC	1817
Y	b	1767	CCACAGACTGGCGCTTGAGCTTAAGGACAAGAAGATGGCTTITGGATGACCTCTGTACCC	1826
Y	b	1818	AGTCCTAAAGACCTTAGAGGAGCAAGGCCATTCTAAAGGGGGCTATGGAGAACGGCAA	1877
Y	b	1827	AGTCCTAAAGACCTTAGAGGAGCAAGGCCATTCTAAAGGGGTATGGCTATGGAGAACGGCAA	1886
Y	b	1878	AGAGGGTTGGCCCCCACCATCCGGCCCTGGGAACTAGCCATGGACATACCTGGGGA	1937
Y	b	1887	AGAGGGTTGGCCCCCACCATCCGGCCCTGGGAACTAGCCATGGACATACCTGGGGA	1946
Y	b	1938	CAAGGTTCTACCCAA	1952
Y	b	1947	CAAGGTTCTACCCAA	1961

ESTATE 3  
S-10-001-227-3  
Sequence 3 Application US/10001227  
Publication No. US2003166900A1  
GENERAL INFORMATION:  
APPLICANT: KAPELER-LIBERMANN  
APPLICANT: SILOS-SANTIAGO

Qy	1478	CGAGATGCGGCCCTCCGTGTACTGTATGAATTGACCAACAGCTGGATAATC	1537
Db	1381	CGAGATGCGGCCCTCCGTGTACTGTATGAATTGACCAACAGCTGGATAATC	1440
Qy	1538	GTCAAACCCGCACTGATGGGAGAACATGGGATGAGATGTACTCTTGGGSC	1597
Db	1441	GTCAAACCCGCACTGATGGGAGAACATGGGATGAGATGTACTCTTGGGSC	849
Qy	1598	CCCTTCGCCAACGGCTTCTCATGGTAAGAGGACTTAGCCAGATGAA	1657
Db	1501	CCCTTCGCCAACGGCTTCTCATGGTAAGAGGACTTAGCCAGATGAA	565
Qy	1658	TACTGGGCAACATTGGCCGCAAGGAAACCCGATGTTGGAATCTGGCA	1717
Db	1561	TACTGGGCAACTTGGCGCAAGGAAACCCGATGTTGGAATCTGGCA	625
Qy	1718	CGCTCACACAAGGATGAAAAGTACCTGGCAAGCTGGGATGAG	1777
Db	1621	CGCTCACACAAGGATGAAAAGTACCTGGCAAGCTGGGATGAG	685
Qy	1778	CTCAAGGAAAGAGATGGCTTTGGATGAGTCTGACAGCTCAAGACTGAG	1837
Db	1681	CTCAAGGAAAGAGATGGCTTTGGATGAGTCTGACAGCTCAAGACTGAG	805
Qy	1838	CTAGGGCAATTC 1849	1029
Db	1741	CTAGGGCAATTC 1752	909
Db	730	CTGGGGCTGTGGCAACTCTGGCTGGGACATGGGACATGGGCGGGAA	789
Qy	446	CTGGGGCTGTGGCAACTCTGGCTGGGACATGGGACATGGGCGGGAA	505
Db	790	CGGGGAGCCAGGAATGTGACCTGCTGGCACTGGGACATGGGCGGGAA	849
Db	506	CGGGGAGCCAGGAATGTGACCTGCTGGCACTGGGACATGGGCGGGAA	565
Qy	850	AGGACTGATGATGTCGTCACCCCTGAGCTGGGCTCTTCATGGGCAATT	909
Db	566	AGGACTGATGATGTCGTCACCCCTGAGCTGGGCTCTTCATGGGCAATT	625
Qy	910	CACCGGTTATTCACTGATGTTCACTAGTAACCTGAAAGTGGGACT	969
Db	626	CACCGGTTATTCACTGATGTTCACTAGTAACCTGAAAGTGGGACT	685
Qy	970	CCACCTGGCTGATGGACCAACAGGACAGGAACTGCAAGGACTCCA	1029
Db	686	CCACCTGGCTGATGGACCAACAGGACAGGAACTGCAAGGACTCCA	745
Qy	1030	ATCAGGACCAAGGATGGCTGATGGCTGCTCCAAAGATGAGATTC	1089
Db	746	ATCAGGACCAAGGATGGCTGCTCCAAAGATGAGATTC	805
Qy	1090	GAGAGCCGAAAGAGATTATCTGGCTCATGAGCCCTGTTGATGATCCC	1149
Db	806	GAGAGCCGAAAGAGATTATCTGGCTCATGAGCCCTGTTGATGATCCC	865
Qy	1150	AGATGACCCPTTGGTCTCTGGCTGACCCAGGGAGGGTTCATCTGGCCCTAATCTTCTAGG	1209
Db	866	AGATGACCCPTTGGTCTCTGGCTGACCCAGGGAGGGTTCATCTGGCCCTAATCTTCTAGG	925
Qy	1210	TGTCACAAACCTGGAAATTCTGCTTATCATGAAATGCTCCCTAAACCG	1269
Db	926	TGTCACAAACCTGGAAATTCTGCTTATCATGAAATGCTCCCTAAACCG	985
Qy	1270	GCAGGGGATGAGAAGGAAACCATCTAAAGTGCCTGGATACCGCACCTGTGAA	1329
Db	986	GCAGGGGATGAGAAGGAAACCATCTAAAGTGCCTGGATACCGCACCTGTGAA	1045
Qy	1330	TATCACAAAGGAGCTGACCATCTGGTGGAGTACCTGGTGGAGTACATGGCAATGAGCA	1389
Db	1046	TATCACAAAGGAGCTGACCATCTGGTGGAGTACATGGCAATGAGCA	1105
Qy	1390	TGACAGGAAAGATGCTGAGAACCTGATGAGACATGTCAGATGGCACTTTCGGCTGA	1449
Db	1106	TGACAGGAAAGATGCTGAGAACCTGATGAGACATGTCAGATGGCACTTTCGGCTGA	1165
Qy	1450	TGCCACAACTGAGACTGCTCACTACCACTGGGATGGGGCTCCCTGCTACTGTGATGA	1509
Db	1166	TGCCACAACTGAGACTGCTCACTACCACTGGGATGGGGCTCCCTGCTACTGTGATGA	1225
Qy	1510	ATTTGGACCAAGGCTGCTGAGTAAATATCTGTAACCTGGGAGACATGG	1569
Db	1226	ATTTGGACCAAGGCTGCTGAGTAAATATCTGTAACCTGGGAGACATGG	1285
Qy	1570	GGATGAGATGATGCTCTTGGGGCCCTCTGGCACTGGTAAGGTAAGGA	1629
Db	1286	GGATGAGATGATGCTCTTGGGGCCCTCTGGCACTGGTAAGGTAAGGA	1345
Qy	1630	GAAGGCACCTAGCTCAGATGTAATACTGGCAACTTGGCCACAGAACCC	1689
Db	1346	GAAGGCACCTAGCTCAGATGTAATACTGGCAACTTGGCCACAGAACCC	1405
Qy	1750	GGATTTTACACAAAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	1809
Db	1466	GGATTTTACACAAAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	1525
Qy	666	TCTGCAAGCAAGGCTGGCACTCTGGCTGGCACTCTGGCTGGCA	1749
Qy	326	TCTGCAAGCAAGGCTGGCACTCTGGCTGGCACTCTGGCTGGCA	1465
Qy	702	- - - - -	729

QY 1810 TCTGTACCACTGTCAAAGAACCTGAAAGCAGGCCAATTCTAAGGGTGGCTATGCGACAA 1869  
 DB 1526 TCTGTACCACTGTCAAAGAACCTGAAAGCAGGCCAATTCTAAGGGTGGCTATGCGACAA 1585  
 QY 1870 GGAGCCAAAGAGGGGTTGCCCCACCATCCAGGCCCTGGGGAGACTTGGCCATGGACATA 1929  
 DB 1586 GGACCCAAARGAGGGTTGCCCCACCATCCAGGCCCTGGGGAGACTTGGCCATGGACATA 1645  
 QY 1930 CCTGGGAGAGAGTCTACCCA 1952  
 DB 1646 CCTGGGAGAGAGTCTACCCA 1668

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RESULT 5  
 US-09-978-295A-253  
 Sequence 253, Application US/09978295A  
 Patent No. US20020156006A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Boeslir, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan  
 APPLICANT: Ferrara, Napoleon  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary B.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Gradowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Hillian, Kenneth J.  
 APPLICANT: Kijaviv, Ivar J.  
 APPLICANT: Kuo, Sophia S.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Shelton, David L.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William J.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 FILE REFERENCE: P2610P1C1  
 CURRENT FILING DATE: 2001-10-15  
 PRIOR APPLICATION NUMBER: 09/918585  
 PRIOR FILING DATE: 2001-07-30  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/064249  
 PRIOR FILING DATE: 1997-11-03  
 PRIOR APPLICATION NUMBER: 60/065311  
 PRIOR FILING DATE: 1997-11-13  
 PRIOR APPLICATION NUMBER: 60/066364  
 PRIOR FILING DATE: 1997-11-21  
 PRIOR APPLICATION NUMBER: 60/077450  
 PRIOR FILING DATE: 1998-03-10  
 PRIOR APPLICATION NUMBER: 60/077632  
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 PRIOR APPLICATION NUMBER: 60/077641  
 PRIOR FILING DATE: 1998-03-11  
 PRIOR APPLICATION NUMBER: 60/077649  
 PRIOR FILING DATE: 1998-03-11  
 PRIOR APPLICATION NUMBER: 60/077791  
 PRIOR FILING DATE: 1998-03-12  
 PRIOR APPLICATION NUMBER: 60/078004  
 PRIOR FILING DATE: 1998-03-13

PRIOR APPLICATION NUMBER: 60/078886  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/078936  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/078910  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/078939  
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 PRIOR APPLICATION NUMBER: 60/079294  
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 PRIOR FILING DATE: 1998-04-01  
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 PRIOR FILING DATE: 1998-04-15  
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 PRIOR FILING DATE: 1998-04-21  
 PRIOR APPLICATION NUMBER: 60/082569  
 PRIOR FILING DATE: 1998-04-21  
 PRIOR APPLICATION NUMBER: 60/082704  
 PRIOR FILING DATE: 1998-04-22  
 PRIOR APPLICATION NUMBER: 60/082804  
 PRIOR FILING DATE: 1998-04-22  
 PRIOR APPLICATION NUMBER: 60/082700  
 PRIOR APPLICATION NUMBER: 60/082700

		Matches	1446;	Conservative	0;	Mismatches	0;	Indels	403;	Gaps	3;
PRIOR APPLICATION NUMBER: 60/082797	PRIOR FILING DATE: 1998-04-22	Qy	224	GGTCCCTGACACCAAGGGCTCAACTGGTACCCAAATATGGAACCTGCAGGAAA	283						
PRIOR APPLICATION NUMBER: 60/082796	PRIOR FILING DATE: 1998-04-22	Db	388	GGTCCCTGACACCAAGGGCTCAACTGGTACCCAAATATGGAACCTGCAGGAAA	447						
PRIOR APPLICATION NUMBER: 60/083336	PRIOR FILING DATE: 1998-04-23	Qy	284	CAGATGATGTGGGAAGACCCATCGAAGTTTGGAGNCCCTTCAGAGCT	343						
PRIOR APPLICATION NUMBER: 60/083322	PRIOR FILING DATE: 1998-04-27	Db	448	CAGATGATGTGGGAAGACCCATCGAAGTTTGGAGNCCCTTCAGAGCT	507						
PRIOR APPLICATION NUMBER: 60/083322	PRIOR FILING DATE: 1998-04-28	Qy	344	CCCTAGTATCCCTAGGTGGACCCATCGAAGTTTGGAGNCCCTTCAGAGCT	403						
PRIOR APPLICATION NUMBER: 60/083392	PRIOR FILING DATE: 1998-04-29	Qy	508	CCCTAGTATCCCTAGGTGGACCCATCGAAGTTTGGAGNCCCTTCAGAGCT	567						
PRIOR APPLICATION NUMBER: 60/083495	PRIOR FILING DATE: 1998-04-29	Qy	404	GATGCTACACCTACCCCTG	425						
PRIOR APPLICATION NUMBER: 60/083496	PRIOR FILING DATE: 1998-04-29	Db	568	GCAAGATCTGGTCACTGCAACCTCCGCTCCGGTTCAAGGAGTCTCCCTCTCG	627						
PRIOR APPLICATION NUMBER: 60/083499	PRIOR FILING DATE: 1998-04-29	Qy	426	GGTCCCTGAGGAGTCTGGGGCCAGTGCTGGCCTCGATG	463						
PRIOR APPLICATION NUMBER: 60/083545	PRIOR FILING DATE: 1998-04-29	Db	688	CCCTCGAGTGTCTGGGGTACAGTGCTGGCCAGTGGCTCGATG	747						
PRIOR APPLICATION NUMBER: 60/083554	PRIOR FILING DATE: 1998-04-29	Qy	464	TACGTCAACACGGGGACGGTAAGTGGCTGGCTCAAGGAGATGCTGACTG	523						
PRIOR APPLICATION NUMBER: 60/083558	PRIOR FILING DATE: 1998-04-29	Db	748	TACGTCAACACGGGGACGGTAAGTGGCTGGCTCAAGGAGATGCTGACTG	807						
PRIOR APPLICATION NUMBER: 60/083559	PRIOR FILING DATE: 1998-04-29	Qy	524	AACCTGTACGGGGCCGGCCGGGATCCCAGTGGCACTGGCTGGTTC	563						
PRIOR APPLICATION NUMBER: 60/083560	PRIOR FILING DATE: 1998-04-29	Db	808	AACCTGTACGGGGCCGGCCGGGATCCCAGTGGCACTGGCTGGTTC	867						
PRIOR APPLICATION NUMBER: 60/083568	PRIOR FILING DATE: 1998-04-30	Qy	584	CCGGAGGGCCCTCATGGGGCTCTTGATGGGGCTCTGGCTCTGGC	643						
PRIOR APPLICATION NUMBER: 60/084366	PRIOR FILING DATE: 1998-04-05	Db	868	CCGGAGGGCCCTCATGGGGCTCTGGCTCTGGCTCTGGC	947						
PRIOR APPLICATION NUMBER: 60/084414	PRIOR FILING DATE: 1998-05-06	Qy	644	CGGAGAGATGTGGCTGGTGTCTGGAGCACGGCTGGCTCTGGC	703						
PRIOR APPLICATION NUMBER: 60/084441	PRIOR FILING DATE: 1998-05-06	Db	928	CGGGAGAAAGTGTGGCTGGCTGGCTGGAGCACGGCTGGCTGGC	987						
PRIOR APPLICATION NUMBER: 60/084637	PRIOR FILING DATE: 1998-05-07	Qy	704	ACGGAGCAGGCCGGCCGGCCGGAAACTGGGGCTGGTGGACCA	763						
PRIOR APPLICATION NUMBER: 60/084639	PRIOR FILING DATE: 1998-05-07	Db	988	ACGGAGCAGGCCGGCCGGCCGGAAACTGGGGCTGGTGGACCA	1047						
PRIOR APPLICATION NUMBER: 60/084640	PRIOR FILING DATE: 1998-05-07	Qy	764	TGGCTGAGGAGACATGGAGCCGAGGAAATGGTGGACCCCTGGC	823						
PRIOR APPLICATION NUMBER: 60/084637	PRIOR FILING DATE: 1998-05-07	Db	1048	TGGCTGAGGAGACATGGAGCCGAGGAAATGGTGGACCCCTGGC	1107						
PRIOR APPLICATION NUMBER: 60/084639	PRIOR FILING DATE: 1998-05-07	Qy	824	CACTGGGGGGCCATGGCATTCAGCATGGTGTGGCTGGCT	883						
PRIOR APPLICATION NUMBER: 60/084640	PRIOR FILING DATE: 1998-05-07	Db	1108	CACTGGGGGGCCATGGCATTCAGCATGGTGTGGCTGGCT	1167						
PRIOR APPLICATION NUMBER: 60/084598	PRIOR FILING DATE: 1998-05-07	Qy	884	TTCATCGGGCATTTCCAGTGGACCTTCACTAGTAAAC	943						
PRIOR APPLICATION NUMBER: 60/084600	PRIOR FILING DATE: 1998-05-07	Db	1168	TTCATCGGGCATTTCCAGTGGACCTTCACTAGTAAAC	1227						
PRIOR APPLICATION NUMBER: 60/084627	PRIOR FILING DATE: 1998-05-07	Qy	944	CCACTGAAAGTGGCCAGGAGCTGGCCACTATCGGGCAAGT	1003						
PRIOR APPLICATION NUMBER: 60/084643	PRIOR FILING DATE: 1998-05-07	Db	1288	ATCTGGTAAACTGGCCAGGAGCTGGCCACTATCGGGCAAG	1347						
PRIOR APPLICATION NUMBER: 60/085339	PRIOR FILING DATE: 1998-05-13	Qy	1064	ATGAGATTCCTCACTGAACCTCAAGAGATATTGGTCACTG	1123						
PRIOR APPLICATION NUMBER: 60/085338	PRIOR FILING DATE: 1998-05-13	Db	1348	ATGAGATTCCTCACTGAACCTCAAGAGATATTGGTCACTG	1407						
PRIOR APPLICATION NUMBER: 60/085323	PRIOR FILING DATE: 1998-05-13	Qy	1124	CCCTGGCTGGATGGTGTGGTGTGGATGCCAGATGACCCT	1183						
PRIOR APPLICATION NUMBER: 60/085582	PRIOR FILING DATE: 1998-05-15	Db	1408	CCCTGGCTGGATGGTGTGGATGCCAGATGACCCTGGTGT	1467						
PRIOR APPLICATION NUMBER: 60/085579	PRIOR FILING DATE: 1998-05-15	Qy	426	Query Match 51.1%; Score 1013; DB 9; Length 2456;							
PRIOR APPLICATION NUMBER: 60/085580	PRIOR FILING DATE: 1998-05-15	Qy	1228	Best Local Similarity 78.2%; Pred. No. 3.7e-296;							

Qy 1184 GTTTCATCTGCGCTTCACTTCTAGGTGTCACAACTGGAAATTCAATTGGCTCTTGCT 1243  
 Db 1468 GTTTCATCTGCGCTTCACTTCTAGGTGTCACAACTGGAAATTCAATTGGCTCTTGCT 1527  
 Qy 1244 TATATCAGTGAAGTCCCGCTAACCCTGAGGAAGAACTCATCACTAAGATG 1303  
 Db 1528 TAT----- 1530  
 Qy 1304 CTCTGGAGTACCCGACCCGTAATGCAATGGTCACTGGTGGAG 1363  
 Db 1531 ----- 1566  
 Qy 1354 GAGTACCTGGACAAATGTCATGACCATGACTGGAGATGCTAGAAACGATGATGAC 1423  
 Db 1567 GAGTACCTGGACAAATGTCATGACCATGACTGGAGATGCTAGAAACGATGATGAC 1626  
 Qy 1424 ATAGTCAAGATGCACCTTCGCTGTCACACTGCCACACTGCAACTACCAACCGAGAT 1483  
 Db 1627 ATAGTCAAGATGCACCTTCGCTGTCACACTGCCACACTGCAACTACCAACCGA--- 1683  
 Qy 1484 GCCGGCCCTCCCTGTCACCTGTGAATTGAGACCCAGCTGTGGATAATCGTCAA 1543  
 Db 1684 ----- 1683  
 Qy 1544 CCCCGCACTGATGGGGACCCATGGGATGAGATGATCTCCCTTGGGGCCCTTC 1603  
 Db 1684 ----- 1683  
 Qy 1604 GCCACAGGGCTTTCATGGTTAAGGAGAAGGCACTTAGCCTCCAGATGATGAAATACTGG 1663  
 Db 1684 ----- 1683  
 Qy 1664 GCCAACCTTGGCCACAGGAAACCCAACTCTGGAATCTGGCACTGGCTGAGCTAC 1723  
 Db 1684 ----- 1724  
 Qy 1724 AACAAAGGATGAAAAGTACCTGCAAGTTTACCAAGAAGTGGCATGAGCTCAAG 1783  
 Db 1725 AACAAAGGATGAAAAGTACCTGCAAGTTTACCAAGAAGTGGCATGAGCTCAAG 1784  
 Qy 1784 GAGAAAGAAGATGGCTTTGGATGAGTCTTACAGTGTCTAACACCTGAGAGGG 1843  
 Db 1785 GAGAAAGAAGATGGCTTTGGATGAGTCTTACAGTGTCTAACACCTGAGAGGG 1844  
 Qy 1844 CAATTCTAAGGGCTATGGAGGAGCCAAAGGGGTTGCCCCACCATCCAG 1903  
 Db 1845 CAATTCTAAGGGCTATGGAGGAGCCAAAGGGGTTGCCCCACCATCCAG 1904  
 Qy 1904 CCCTGGGGAGACTGAGCTGGACACATCTGGGACAAAGGTTAACCCA 1952  
 Db 1905 CCCTGGGGAGACTGAGCTGGACACATCTGGGACAAAGGTTAACCCA 1953

**RESULT 6**  
 US-09-978-697-253  
 Sequence 253, Application US/09978697  
 Patent No. US20020169284A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan  
 APPLICANT: Ferrara, Napoleon  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher

; / APPLICANT: Gutney, Austin L.  
 ; / APPLICANT: Hilian, Kenneth J.  
 ; / APPLICANT: Kliavkin, Ivar J.  
 ; / APPLICANT: Kuo, Sophia S.  
 ; / APPLICANT: Naper, Mary A.  
 ; / APPLICANT: Pan, James;  
 ; / APPLICANT: Paoni, Nicholas F.  
 ; / APPLICANT: Roy, Margaret Ann.  
 ; / APPLICANT: Shellton, David L.  
 ; / APPLICANT: Stewart, Timothy A.  
 ; / APPLICANT: Tummas, Daniel I.  
 ; / APPLICANT: Williams, P. Mickey  
 ; / APPLICANT: Wood, William I.  
 ; / TITLE OF INVENTION: Acids Encoding the Same  
 ; / FILE REFERENCE: P2630PIC27  
 ; / CURRENT APPLICATION NUMBER: US/09/978,697  
 ; / CURRENT FILING DATE: 2001-10-16  
 ; / PRIOR APPLICATION NUMBER: 09/918585  
 ; / PRIOR FILING DATE: 2001-07-30  
 ; / PRIOR APPLICATION NUMBER: 60/062250  
 ; / PRIOR FILING DATE: 1997-10-17  
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 ; / PRIOR FILING DATE: 1998-03-31  
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 ; / PRIOR APPLICATION NUMBER: 60/080194



Qy	504	CCGGAGGCCCTCATGGGCGCTTCTGACGGCGCTGACTTGCAGACGGCTGACTTGCAGCGCC 643	Qy	1664	GCCACACTTCCCCGACAGAAACCCATGATGGAAATCTGCCTGTGGCACGGTAC 1723		
Db	868	CCGGAGGCCCTCATGGGCGCTTCTGACGGCGCTGACTTGCAGCGCC 927	Db	1684	-----GAAACCCCATGATGGAAATCTGCCTGTGGCACGGTAC 1724		
Qy	644	CGGAGAAGTGGTGCTGGTTCTGGAGCAAGGCTGGATCTGGCTGG 703	Qy	1724	AACAGGATGAAAAGTACCTGCAGGGTGAATTACACAGAGTGGCATGAACTTCAG 1783		
Db	928	CGCGAGAAGTGGTGCTGGTTCTGGAGCAAGGCTGGATCTGGCTGG 987	Db	1725	AACAGGATGAAAAGTACCTGCAGGGTGAATTACACAGAGTGGCATGAACTTCAG 1784		
Qy	704	ACGGACGACGCCAGGGGGAAACTGGGGCTCTGGAGACAGATGTCGCC 763	Qy	1784	GAGAAGAAGATGGCTTTCGGATGATGCTGATGCTGATGAAACAGCAGAGG 1843		
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Qy	764	TGGGTGAGGAGAACATGGAGCTGGGGAGAACCTAGGAAATGTGACCTGCC 823	Qy	1844	CAATTCCTAAGGGCTTATGCAGGAGGACCAAGGGTTCCCTCCACATCCAGG 1903		
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RESULT 7							
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Db	1228	CCACTGAAGTGGCAAAGAAGGTGGCCACCTGCTGGATGCAACAG 1287	APPLICANT: Ashkenazi, Avi				
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Db	1288	ATCCCTGTAACCTGGCTGCGCAACTATGGGACCAACTATGGGACCA 1347	APPLICANT: Botstein, David				
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Qy	1124	CCTGNGTGGATGGTGTGATCCAGATGACCCCTGGCTCATGGC 1183	APPLICANT: Ferrara, Napoleon				
Db	1408	CCTGNGTGGATGGTGTGATCCAGATGACCCCTGGCTCATGGC 1467	APPLICANT: Filvaroff, Blileen				
Qy	1184	GTTTCATCTGGCCCTAACCTCTAGGTGTCACACCTGGAAATTCAGTGGCTCTGGCT 1243	APPLICANT: Fong, Sherman				
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Db	1531	-----AATATCACCAGGAGGTTACCTGGTGGTGGAG 1566	APPLICANT: Godowski, Paul J.				
Qy	1364	GAGTACCTGGACAATGCAATGAGTGAATGGTCAACCTGGAC 1423	APPLICANT: Grimaldi, J. Christopher				
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Qy	1424	ATAGTTGAGATGCCACTTCTGGATGAGATGCTGCACTGGAG 1483	APPLICANT: Hilleman, Kenneth J.				
Db	1627	ATAGTTGAGATGCCACTTCTGGATGAGATGCTGCACTGGAG -- 1683	APPLICANT: Kjajaviv, Ivar J.				
Qy	1484	GCGGGCTTCCCTGTCACCTGATGAAATCGTCAAA 1543	APPLICANT: Kuo, Sophia S.				
Db	1684	-----	APPLICANT: Napier, Mary A.				
Qy	1604	GCCACAGGCCCTTCCATGGGAGGACTTACGCTCAATGATAAA 1663	APPLICANT: Paoni, Nicholas F.				
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Prior Application Number: US/09/978192A  
 Current Filing Date: 2001-10-15  
 Prior Application Number: 09/918555  
 Prior Filing Date: 1997-11-13  
 Prior Application Number: 60/066364  
 Prior Filing Date: 2001-07-30  
 Prior Application Number: 60/062250  
 Prior Filing Date: 1997-11-21  
 Prior Application Number: 60/077456  
 Prior Filing Date: 1998-03-10  
 Prior Application Number: 60/077632  
 Prior Filing Date: 1998-03-11  
 Prior Application Number: 60/077641

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/ APPLICANT: Fong, Sherman  
 / APPLICANT: Gao, Wei-Qiang  
 / APPLICANT: Gerber, Hanspeter  
 / APPLICANT: Gerritsen, Mary E.  
 / APPLICANT: Goddard, Audrey  
 / APPLICANT: Godowski, Paul J.  
 / APPLICANT: Grimaldi, J. Christopher  
 / APPLICANT: Gurney, Austin L.  
 / APPLICANT: Hillian, Kenneth J.  
 / APPLICANT: Klavian, Ivar J.  
 / APPLICANT: Kuo, Sophia S.  
 / APPLICANT: Napier, Mary A.  
 / APPLICANT: Pan, James  
 / APPLICANT: Paoni, Nicholas P.  
 / APPLICANT: Roy, Margaret Ann  
 / APPLICANT: Shelton, David L.  
 / APPLICANT: Stewart, Timothy A.  
 / APPLICANT: Tunas, Daniel  
 / APPLICANT: Williams, P. Michael  
 / APPLICANT: Wood, William I.  
 / TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 / FILE REFERENCE: P2630P1C53  
 / CURRENT APPLICATION NUMBER: US/09/999,832A  
 / CURRENT FILING DATE: 2001-10-24  
 / PRIOR APPLICATION NUMBER: 09/918585  
 / PRIOR FILING DATE: 2001-07-30  
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 Qy 1784 GAGGAGAATGGCTTTGATGATGAGTCTAACAGCTGAGCTGAGAG 1843  
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 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan  
 ; APPLICANT: Ferrara, Napoleon  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
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 ; APPLICANT: Napier, Mary A.  
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 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
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 ; APPLICANT: Wood, William J.  
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 ; Acids Encoding the Same  
 ; FILE REFERENCE: P2630P1C7  
 ; CURRENT APPLICATION NUMBER: US/09-978-189  
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Db	584	CGGGAGGCGCCTTACATGTCAGGCGCTCTTCGTCAGGCGCTGACTGGCGC 643	Qy	1664 GCCAARTTTGCCGAGCTGGCCAGCTGGCTGGCCACGCTAC 1723
Dy	868	CGGGAGGCGCCTTACATGTCAGGCGCTCTTCGTCAGGCGCTGACTGGCGC 927	Db	1684 ----- GAAACCCCAATGTCGGCCACCTAC 1724
Db	644	CCCGAGAAAGTGGTGTGTTTCAGCAAGGCTCGCATCTTCGCTTCAGGC 703	Qy	1724 AACAAAGTGAAGTACCTCGAGTGGATTACACAGTCAGTGGCTCAAGCTCAAG 1783
Dy	928	CCGGAGAAAGTGGTGTGTTTCAGCAAGGCTCGCATCTTCGCTTCAGGC 987	Db	1725 AACAGCTGAAAGTACCTCGAGTGGATTACACAGTCAGTGGCTCAAGCTCAAG 1784
Db	704	ACGGACGAGAACATGCAAGCAGGGAACTGGGGAGAAGGGGGAGGGGG 763	Qy	1784 GAGAAAGAAGTGGCTTTCGGATGACTCTGTCACACTCTCAAGAAGCTGAGAAGCGAGG 1843
Dy	988	ACGGACGAGAACATGCAAGCAGGGAACTGGGGAGAAGGGGGAGGGGG 1047	Db	1785 GAGAAAGAAGTGGCTTTCGGATGACTCTGTCACACTCTCAAGAAGCTGAGAAGCGAGG 1844
Db	764	TGGGTGCAAGGAGAACATGCAAGCAGGGAACTGGGGAGAAGGGGGAGGGGG 823	Qy	1844 CAATTCTAAGGGAGCTGGCTATGGAGGGAGGAGGAAAGGGGGAGGGGG 1903
Dy	1048	TCGGTGGAGAACATGCAAGCAGGGAACTGGGGAGAAGGGGGAGGGGG 1107	Db	1845 CAATTCTAAGGGAGCTGGCTATGGAGGGAGGAGGAAAGGGGG 1904
Db	824	CAGTCGGGGGCCCCATGAGCACTCGAGGACTGATGTCAGCTGGCTGGCT 883	Qy	1904 CCCTGGGGAGCTGGCATGGACATCTGGGGAGAAGGGTCTACCA 1952
Dy	1108	CAGTCGGGGGCCCCATGAGCACTCGAGGACTGATGTCAGCTGGCTGGCT 1167	Db	1905 CCCTGGGGAGCTGGCATGGACATCTGGGGAGAAGGGTCTACCA 1953
		RESULT 11		
		US-09-978-585A-253		
		/ Sequence 253; Application US/09978585A		
		/ Publication No. US20030049633A1		
		/ GENERAL INFORMATION:		
		/ APPLICANT: Ashkenazi, Avi		
		/ APPLICANT: Baker, Kevin P.		
		/ APPLICANT: Botstein, David		
		/ APPLICANT: Desnoyers, Luc		
		/ APPLICANT: Eaton, Dan		
		/ APPLICANT: Ferrara, Napoleon		
		/ APPLICANT: Filvaroff, Ellen		
		/ APPLICANT: Fong, Sherman		
		/ APPLICANT: Gao, Wei-Qiang		
		/ APPLICANT: Gerber, Hans Peter		
		/ APPLICANT: Gerritsen, Mary E.		
		/ APPLICANT: Goddard, Audrey		
		/ APPLICANT: Godowski, Paul J.		
		/ APPLICANT: Grimaldi, J. Christopher		
		/ APPLICANT: Gurney, Austin L.		
		/ APPLICANT: Hillman, Kenneth J.		
		/ APPLICANT: Klijavin, Ivar J.		
		/ APPLICANT: Kuo, Sophia S.		
		/ APPLICANT: Napiers, Mary A.		
		/ APPLICANT: Pan, James;		
		/ APPLICANT: Paoni, Nicholas F.		
		/ APPLICANT: Roy, Margaret Ann		
		/ APPLICANT: Sheldon, David L.		
		/ APPLICANT: Stewart, Timothy A.		
		/ APPLICANT: Tumas, Daniel		
		/ APPLICANT: Williams, P. Mickey		
		/ APPLICANT: Wood, William I.		
		/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic		
		/ TITLE OF INVENTION: Acids Encoding the Same		
		/ FILE REFERENCE: P2630PIC15		
		/ CURRENT APPLICATION NUMBER: US/09/978.585A		
		/ CURRENT FILING DATE: 2001-10-16		
		/ NUMBER OF SEQ ID NOS: 624		
		/ Prior Application removed - See File Wrapper or Palm		
		/ SEQ ID NO 253		
		/ LENGTH: 2456		
		/ TYPE: DNA		
		/ ORGANISM: Homo sapiens		
		US-09-978-585A-253		
		Query Match 51.1%; Score 1013; DB 10; Length 2456;		
		Best Local Similarity 78.2%; Pred. No. 3.7e-296;		
		Matches 1446; Conservative 0; Mismatches 0; Indels 403; Gaps 3;		
		224 GTGGCTTGACACCAAGGGCTCAAGTGGTCAACATGGAACTTAGGCAAGGACTTCCAGTGAATACTCG 1603		
Qy	1544	CCCGGCACTGATGGGCAAACCATGGGGATGGTACTTCCCTCTTGGGGCCCTTC 1603		
Dy	1684	- - - - -	1683	
Qy	1424	ATAGTCAGATGCCACCTGCTGAGCATGCTGGCTGAGTCACTACCACCGAGT 1483		
Dy	1627	ATAGTCAGATGCCACCTGCTGAGCATGCTGGCTGAGTCACTACCACCGA -- 1683		
Qy	1484	GCCGGCCTCCCTGTTACCTGTGAATTGAGCAACCTGCTCGTGAATAATCGTCAA 1543		
Db	1684	- - - - -	1683	



APPLICANT: Kuo, Sophia S.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Shalton, David L.  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tomas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

FILE REFERENCE: P2530P1C4

CURRENT APPLICATION NUMBER: US/09/978.191A

CURRENT FILING DATE: 2001-10-15

PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: 60/077450

PRIOR FILING DATE: 1998-03-10

PRIOR APPLICATION NUMBER: 60/077632

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077641

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077649

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077791

PRIOR FILING DATE: 1998-03-12

PRIOR APPLICATION NUMBER: 60/078004

PRIOR FILING DATE: 1998-03-13

PRIOR APPLICATION NUMBER: 60/078886

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/077936

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/078939

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/079294

PRIOR FILING DATE: 1998-03-25

PRIOR APPLICATION NUMBER: 60/079656

PRIOR FILING DATE: 1998-03-26

PRIOR APPLICATION NUMBER: 60/079664

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: 60/079689

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: 60/079920

PRIOR FILING DATE: 1998-03-30

PRIOR APPLICATION NUMBER: 60/079923

PRIOR FILING DATE: 1998-03-30

PRIOR APPLICATION NUMBER: 60/080105

PRIOR FILING DATE: 1998-03-31

PRIOR APPLICATION NUMBER: 60/080107

PRIOR FILING DATE: 1998-03-31

PRIOR APPLICATION NUMBER: 60/080165

PRIOR FILING DATE: 1998-03-31

PRIOR APPLICATION NUMBER: 60/080194

PRIOR FILING DATE: 1998-03-31

PRIOR APPLICATION NUMBER: 60/080327

PRIOR FILING DATE: 1998-04-01



QY 1724 AACAGGATCAAACCTGAGCTGGATTTACCAAGACTGGCATGAGCTCAAG 1783  
 Db 1725 AACAGGATCAAAGTACCTGCAGTGAACTGAGTTACCAAGAGGGATGAGCTAG 1784  
 QY 1784 GAGAAGAGATGGCTTGTGATGAGTCAGTCTAACAGACCTGAGAACAGAGG 1843  
 Db 1785 GAGAAGAGATGGCTTGTGATGAGTCAGTCTAACAGACCTGAGAACAGAGG 1844  
 QY 1844 CAATCTAACGGTGGCTATCGAGAAGGCCAACATCCGG 1903  
 Db 1845 CAATCTAACGGTGGCTATCGAGAAGGCCAACATCCGG 1904  
 QY 1904 CCCCTGGAGACTAGCCATGCACTCTGGGAAGAGCTTACCCA 1952  
 Db 1905 CCCTGGAGACTAGCCATGCACTCTGGGAAGAGCTTACCCA 1953

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**RESULT 13**  
 ; Sequence 253, Application US/0978403A  
 ; Publication No. US20030050240A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Deanoyers, Luc  
 ; APPLICANT: Bacon, Dan  
 ; APPLICANT: Ferrara, Napoleon  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey E.  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Hillian, Kenneth J.  
 ; APPLICANT: Klijavin, Ivar J.  
 ; APPLICANT: Kuo, Sophia S.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tunas, Daniel  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P630P1C17  
 ; CURRENT APPLICATION NUMBER: US/09/978,403A  
 ; CURRENT FILING DATE: 2002-03-19  
 ; PRIOR APPLICATION NUMBER: 09/18585  
 ; PRIOR FILING DATE: 2001-07-30  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/064249  
 ; PRIOR FILING DATE: 1997-11-03  
 ; PRIOR APPLICATION NUMBER: 60/065311  
 ; PRIOR FILING DATE: 1997-11-13  
 ; PRIOR APPLICATION NUMBER: 60/066364  
 ; PRIOR FILING DATE: 1997-11-21  
 ; PRIOR APPLICATION NUMBER: 60/077450  
 ; PRIOR FILING DATE: 1998-03-10  
 ; PRIOR APPLICATION NUMBER: 60/077632  
 ; PRIOR FILING DATE: 1998-03-11  
 ; PRIOR APPLICATION NUMBER: 60/077641  
 ; PRIOR FILING DATE: 1998-03-11  
 ; PRIOR APPLICATION NUMBER: 60/077649  
 ; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077791  
 ; PRIOR FILING DATE: 1998-03-12  
 ; PRIOR APPLICATION NUMBER: 60/078004  
 ; PRIOR FILING DATE: 1998-03-13  
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 ; PRIOR FILING DATE: 1998-03-31  
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 ; PRIOR APPLICATION NUMBER: 60/080194  
 ; PRIOR FILING DATE: 1998-03-31  
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 ; PRIOR FILING DATE: 1998-04-01  
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 ; PRIOR APPLICATION NUMBER: 60/081203  
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 ; PRIOR APPLICATION NUMBER: 60/081229  
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 ; PRIOR APPLICATION NUMBER: 60/081952  
 ; PRIOR FILING DATE: 1998-04-15  
 ; PRIOR APPLICATION NUMBER: 60/081838  
 ; PRIOR FILING DATE: 1998-04-15  
 ; PRIOR APPLICATION NUMBER: 60/082568  
 ; PRIOR FILING DATE: 1998-04-21  
 ; PRIOR APPLICATION NUMBER: 60/082569  
 ; PRIOR FILING DATE: 1998-04-21  
 ; PRIOR APPLICATION NUMBER: 60/082704



QY 1124 CCTGGGGATGGTGGATGCCAGATGCCATTCTGGTGCCTGACCCAGGGAG 1183  
 Db 1408 CCTGGGGATGGTGGATGCCAGATGCCATTCTGGTGCCTGACCCAGGGAG 1467  
 QY 1184 GTTCATCTGTGCCCTAACCTTCTAGGTGCAAAACCTGAATTCATGGCCTTCGCT 1243  
 Db 1468 GTTCATCTGTGCCCTAACCTTCTAGGTGCAAAACCTGAATTCATGGCCTTCGCT 1527  
 QY 1244 TATATCATGAAGTCCGTTAACCGGAGGTACCTAAGTG 1303  
 Db 1528 TAT----- 1530  
 QY 1304 CTCCTGAAATGACCCGGACCCCTGTGAATTCACCAAGGACCAGETTCACTAAGTG 1363  
 Db 1531 ----- AATATCACCAGGAGCTGATGAACTTCACTAAGGAGATCTGGTGGAG 1566  
 QY 1364 GAGTACCTGGACAATGTCATGAGCATGACTGGAGATGCTAGAAACCGTATGAGAC 1423  
 Db 1567 GAGTACCTGGACAATGTCATGAGCATGACTGGAGATGCTAGAAACCGTATGAGAC 1626  
 QY 1424 ATAGTCAGATGCCACTTCGCTGATGCCACTGCACTGCCACTGCTCATACCCGAGAT 1483  
 Db 1627 ATAGTCAGATGCCACTTCGCTGATGCCACTGCACTGCCACTGCTCATACCCGAGA--- 1683  
 QY 1484 GCGCGCCTCCCTGTACCTGTGAAATTGAGCACCAAGCTGTGAAATAATCGTCAA 1543  
 Db 1684 ----- 1683  
 QY 1544 CCCCGCACCTGATGGGGAGACCATGGGGATGGATGTAATTCCTCTTGGGGCCCCCTTC 1603  
 Db 1684 ----- 1683  
 QY 1604 GCCACAGGCTTCATGGTAAGGAGGACTTCACTGATGAAATACTCG 1663  
 Db 1684 ----- 1683  
 QY 1664 GCCDACTTGGCCGACAGGAAACCCANTGATGGGAACTGCCCACGCTAC 1723  
 Db 1684 ----- GAACCCCATGATGGGAACTGCCCACGCTAC 1724  
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 Db 1725 AACAGGATGAAAGTACCTGCACTGGATTACCAAGAGTGGCATGAGCTCAAG 1784  
 QY 1784 GAGAGAAATGGCTTCTGGATGAGTCCTGCACTGGATTACCAAGAGTGGCATGAGCTCAAG 1843  
 Db 1785 GAGAGAAATGGCTTCTGGATGAGTCCTGCACTGGATTACCAAGAGTGGCATGAGCTCAAG 1844  
 QY 1844 CAATTCTAAGGGCTGCTATGGCAAGGAGGCCAAGGGTTGCCCCACATCCGG 1903  
 Db 1845 CAATTCTAAGGGCTGCTATGGCAAGGAGGCCAAGGGTTGCCCCACATCCGG 1904  
 QY 1904 CCCTGGGGAGACTAGCCATGGCAATCTGGGCAAAAGTTCTACCCA 1952  
 Db 1905 CCCTGGGGAGACTAGCCATGGCAATCTGGGCAAAAGTTCTACCCA 1953

RESULT 14  
 US-09-978-564A-253  
 ; Sequence 253, Application US/09978564A  
 ; Public No. US0030050241A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Deanoeyers, Luc  
 ; APPLICANT: Bacon, Dan  
 ; APPLICANT: Ferrara, Napoleon  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Hillian, Kenneth J.  
 ; APPLICANT: Kjavin, Ivar J.  
 ; APPLICANT: Kuo, Sophia S.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shalton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Thomas, Daniel  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; ACIDS Encoding the Same  
 ; FILE REFERENCE: P2630P1C25  
 ; CURRENT APPLICATION NUMBER: US/09/978-564A  
 ; CURRENT FILING DATE: 2001-0-16  
 ; PRIOR APPLICATION NUMBER: 09/918585  
 ; PRIOR FILING DATE: 2001-07-30  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/064249  
 ; PRIOR FILING DATE: 1997-11-03  
 ; PRIOR APPLICATION NUMBER: 60/065311  
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 ; PRIOR APPLICATION NUMBER: 60/066364  
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 ; PRIOR FILING DATE: 1998-03-31  
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; PRIOR APPLICATION NUMBER: 60/0843666
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; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      51.1%; Score 1013; DB 10;
Best Local Similarity 78.2%; Pred. No. 3.7e-296;
Matches 1446; Conservative 0; Mismatches 0; Indels 403; Gaps 3;

Qy 224 GGTGCTTGTGACACAAAGGGCTCAAGTGGTCACCAAATATGGAAACCTGCAAGGGAAA 283
Db 388 GGTGCTTGTGACACAAAGGGCTCAAGTGGTCACCAAATATGGAAACCTGCAAGGGAAA 447
Qy 284 CAGTGCTATGTGGAAAGAACCCATCAAGTCTTCTCAGTTTTAGGATGCCCTTCAGACCT 343
Db 448 CAGTGCTATGTGGAAAGAACCCATCAAGTCTTCTCAGTTTTAGGATGCCCTTCAGACCT 507
Qy 344 CCTCTAGGTATCCTAGGTTCAGCTCCAGACCCGGAGCCGCTGGAAAGGAATCAGA 403
Db 508 CCTCTAGGTATCCTAGGTTCAGCTCCAGACCCGGAGCCGCTGGAAAGGAATCAGA 567
Qy 404 GATGCTACCATCPACCCGCTG-----Db 628 GCAGTGATCTGGCTCACAGCAACTCCGCCTCGGGTTCAAGGAGTCCTCCCTCTCAG 687
Qy 426 -----Db 688 CCTCTGAGTGTGCTGGGTACAGTCCTGCTGAGGTCCTGGCCACGCTGGCTCGATG 747
Qy 426 -----Db 748 TACCTCAGCAGCAGGGAAACGGTACAAGTGGCTGGCTAGCGAGGACTGCTGTRACCTG 523
Db 748 TACCTCAGCAGCAGGGAAACGGTACAAGTGGCTGGCTAGCGAGGACTGCTGTRACCTG 807

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Result No.	Score	Query Match	Length	DB ID	Description
1	1260	40.5	565	4 US-09-595-682B-21	Sequence 21, Appl
2	1251.5	40.2	566	3 US-09-264-737-2	Sequence 2, Appl
3	11230	39.5	543	4 US-09-595-682B-26	Sequence 26, Appl
4	1169.5	37.6	584	2 US-08-845-295A-2	Sequence 2, Appl
5	1169.5	37.6	584	3 US-08-140-933-2	Sequence 2, Appl
6	1169.5	37.6	584	3 US-09-146-661-2	Sequence 2, Appl
7	1169.5	37.6	584	3 US-09-150-515-2	Sequence 2, Appl
8	1145	36.8	581	4 US-10-023-515-2	Sequence 2, Appl
9	1113	36.4	539	3 US-09-264-737-1	Sequence 1, Appl
10	1083	34.8	559	4 US-09-595-682B-28	Sequence 28, Appl
11	1083	34.8	559	4 US-09-949-016-6426	Sequence 64/6, Appl
12	1083	34.8	577	4 US-09-949-016-6426	Sequence 96/6, Appl
13	983.5	31.6	454	3 US-08-446-100-36	Sequence 26, Appl
14	983.5	31.6	454	3 US-08-446-100-30	Sequence 30, Appl
15	983.5	31.6	454	3 US-08-446-100-31	Sequence 31, Appl
16	981.5	31.5	454	3 US-08-446-100-27	Sequence 27, Appl
17	977.5	31.4	454	3 US-08-446-100-28	Sequence 28, Appl
18	977.5	31.4	454	3 US-08-446-100-29	Sequence 29, Appl
19	908.5	29.2	574	4 US-10-023-515-4	Sequence 4, Appl
20	849	27.3	836	4 US-03-491-356C-21	Sequence 21, Appl
21	831	26.7	823	4 US-03-491-356C-22	Sequence 22, Appl
22	824.5	26.5	933	4 US-09-949-016-8386	Sequence 83/6, Appl
23	820.5	26.4	823	4 US-09-491-356C-23	Sequence 23, Appl
24	820.5	26.4	953	4 US-09-949-016-8387	Sequence 83/7, Appl
25	796	25.6	823	4 US-09-949-016-6888	Sequence 68/8, Appl
26	788	25.3	843	4 US-03-491-356C-20	Sequence 20, Appl
27	787.5	25.3	617	2 US-08-370-156-6	Sequence 6, Appl

GenCore version 5.1.6  
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OM\_protein - protein search, using sw mode1

Run on: May 10, 2005, 14:26:21 ; Search time 30 Seconds  
(without alignment)

1453.168 Million cell updates/sec

Title: US-10-001-227-2  
Perfect score: 3112  
Sequence: 1 MPSTVLPSTVLPSTVLPAGA.....KMAFMMSLYQSQRPEKQRQF 584

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:  
1: /cgns2\_6/podata/1/iaa/5A\_COMBO.pep:  
2: /cgns2\_6/podata/1/iaa/5B\_COMBO.pep:  
3: /cgns2\_6/podata/1/iaa/6A\_COMBO.pep:  
4: /cgns2\_6/podata/1/iaa/6B\_COMBO.pep:  
5: /cgns2\_6/podata/1/iaa/BCTUS\_COMBO.pep:  
6: /cgns2\_6/podata/1/iaa/backfile.pep:  
\* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

RESULT 1  
US-09-595-682B-21  
; Sequence 21, Application US/09595682B  
; Patent No. 6800483  
; GENERAL INFORMATION:  
; APPLICANT: Danks, Mary K.  
; APPLICANT: Pottier, Philip M.  
; APPLICANT: Houghton, Peter J.  
; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of Tumor Cells  
; TITLE OF INVENTION: SU-0005  
; CURRENT APPLICATION NUMBER: US/09/595,682B  
; CURRENT FILING DATE: 2000-01-16  
; PRIOR APPLICATION NUMBER: 60/075,258  
; PRIOR FILING DATE: 1998-02-19  
; PRIOR APPLICATION NUMBER: PCT/US99/03171  
; NUMBER OF SEQ ID NOS: 30  
; SEQ ID NO: 21  
; LENGTH: 565  
; TYPE: PRT  
; ORGANISM: Oryctolagus cuniculus  
US-09-595-682B-21

Query Match 40.5%; Score 1260; DB 4; Length 565;  
Best Local Similarity 43.8%; Pred. No. 4; 8e-120;  
Matches 245; Conservative 119; Mismatches 180; Indels 16; Gaps 9;

34 LCLMAQTALGAL---HTKRPQVY-TKYGTGLQK--QMHVGKTPIOVFLGVPPFRPPLGI 86  
3 LCAALASIAACTAWGHPSAPPVDTWIGKVLRKFVLSLEGFAQVAVLGVPPAKPPPLGS 62

87 LRAPPPEPPWKIGRDTTYPGCLQE---SWQLQASMYVSTRERYKLRLFSECDLYLN 114  
63 LRAPPQAEWSHVQNTTSYPMCSQDASVGHMSELFTNRKENIP-LKFSESDCLYLN 121

Db 145 YADARAPGDQPLQVMWFPGGATIVGASSYEGSDDLAAREKVYLFLORHLGFGLFLSTD 204  
Db 122 YTPADLTTRGRPLPVWVHGGLMVGGASTYDGIALSAHENVTVTIQYRLGIWGFNSTG 181

Db 205 DSHARGNGGLDQMAALRWQENIAAFGGDPGNVTLFGOSAGAMSIQGMMSPLASGLFH 264  
Db 182 DEHSRGNGHLDOAALRWQDNIAFNRCGDPGSNTIFGBSAGCQSVSILLSPKTQNLFH 241

Qy 265 RAISQSGTALFRLEITSPLKTAKKVHALAGCNHSNTOILVCLRALSGTKMRVSNKMR 324  
Qy 242 RAISEGVALLSSUFRKNTKSIAEKIAIEAGCKTTSAVMVHCLRQTCBEELMVTLKMK 301

Qy 325 FLQINFRDPEEIIWSMSPVVDGVIIDPLVLLTQGRVSSVPYLGVNNLBFWNLPP-Y

437 RNRMMDIVDATFVYATLQTAHYRDAGLPLPYLYEFHHH-ARGIVKPRTDGADHGDEM 4 95  
 :  
 Qy :  
 Db 414 KDLFLDMLADLFLGVPSSVNVAHRHDGAPTYMEKYRKPSSSDMRPKTVGHDGBIF 4 733  
 :  
 Qy 384 IMKFPLNRAQMKEITLTKMIMSTRLLNITTEQVPLVVEYLNDVNEHDWMLRNRMMDI 4 43  
 :  
 Db 362 MIGYPSSEGKDQKATEELIKSYPIVNVSELTIVATEKYLGGTDPVKK- -KDLFLDM 4 19  
 :  
 Qy 444 VODATEVYATLQTAHYRDAGLPLPYLYEFHHH-ARGIVKPRTDGADHGDEMPLFGGPF 5 02  
 :  
 Db 420 LADLFLGVPSSVNVAHRHDGAPTYEELKLSKVMKWMKTFANFARGNPNGEGLPQWPAYDKYGL 5 60  
 :  
 Qy 503 ATGLNSKGERTALSLQMKITWANTPARTIGNPNGNLPWTWINKDEKLQLDFTTRYGMKX 5 62  
 :  
 Db 480 IKGATEETEKLKSVMKWMKTFANFARGNPNGEGLPQWPAYDKYGL 5 39  
 :  
 Qy 563 EKKMAFWMSLY- -OSQREK 5 80  
 :  
 Db 540 DREVAFWTELWAREARPRE 5 59  
 :  
 RESULT 3  
 US-09-595-682B-26  
 ; Sequence 26, Application US/09595682B  
 ; Patent No. 6800483  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Danks, Mary K.  
 ; APPLICANT: Potter, Philip M.  
 ; APPLICANT: Houghton, Peter J.  
 ; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting  
 ; Tumor Cells  
 ; FILE REFERENCE: SU-0005  
 ; CURRENT APPLICATION NUMBER: US/09/595, 682B  
 ; CURRENT FILING DATE: 2000-01-16  
 ; PRIOR APPLICATION NUMBER: 60/075, 258  
 ; PRIOR FILING DATE: 1998-02-19  
 ; PRIOR APPLICATION NUMBER: PCT/US99/03171  
 ; PRIOR FILING DATE: 1999-02-12  
 ; NUMBER OF SEQ ID NOS: 30  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 26  
 ; LENGTH: 543  
 ; TYPE: PRT  
 ; ORGANISM: Oryctolagus cuniculus  
 ; US-09-595-682B-26

Query Match Score 1230; DB 4; Length 543;  
 Best Local Similarity 43.9%; Pred. No. 5. 4e-117; Mismatches 176; Indels 14; Gaps 8  
 Matches 239; Conservative 115; Misnmatches 176; Indels 14; Gaps 8

Qy 34 LCIMACTPALGAL---HTKRPOVY-TKYGTLLOCK---QMHVGKTPIQVFLGVPSRPPLGI 86  
 :  
 Db 3 LCAALASLAACTAWGHSAPPVDTYQKGVKLFVFSJBGFAOPAVFLGVPPAKPPLG 62  
 :  
 Qy 87 LRFPAPPDEPEPKGIRDATTYPGCLQE- -SMQQLASMYVSPERYYKWLRFSECDLCLAYN 144  
 :  
 Db 63 LRFPAPPQEAESNSHVKNTTSYPMCSQDAYSQHMLSELFTRNRENIP-LKFSECDLCLAYN 121  
 :  
 Qy 88 SRPPLGTLRFAPEPPPKWGRDATTYPGCLQE- -SWQGLASMXVSTPERYKWLRFSE 137  
 :  
 Db 57 AKPPLSLRFAFPQPAESWSHVKTNTSYPWCSDQAYSQHMLSELFTRNRENIP-LKFSE 115  
 :  
 Db 122 YTFADLTFRGRFLFVMMTHGGLMGASTYDCLASHENVTYVTIYQRLGWWGFPSG 181  
 :  
 Qy 28 LCWSLTLCMACTALGAHTKRPQVYTTKYGTLLOCKQMHVGK-----TPIQVFLGVPP 79  
 :  
 Db 7 LWN---LFLAACTAWG-HPSAPPVV- -DTRVKGYL- -GKFVSLSRGAQPVAVFLGVPP 56  
 :  
 Qy 80 SRPPLGTLRFAPEPPPKWGRDATTYPGCLQE- -SWQGLASMXVSTPERYKWLRFSE 137  
 :  
 Db 116 DCLYLNTTPADLTKRGRLPWVIRGGLMVGGASTYDGLALSAHENVVVTIQRGLI 175  
 :  
 Qy 138 DCYLINYVYAPARAPGDFQQLPQTMWFPCCGAFIVGAASSEYEGSDLAAREKVVVLVFLQHRLGI 197  
 :  
 Db 116 WGEFFSTGCDHESRGNWGHLDQVRLRNYQDNTAFFNGGDPGSVTFGEAGGSQSVTILSLP 235  
 :  
 Qy 176 RVSNNKMRFLQINFORDELLWMSMSPVYDGGVYIPDDPLVLLTGQKVSSVPLGVNLNEF 377  
 :  
 Db 242 RATES3VALSSLERKNTSKLAEKIALEAGKTTSAMVHCLRQKTEELMTVTLRK 301  
 :  
 Qy 198 FGFLSTDDSHARGNGLIDOMAALRNYQENTIAFGGDGPQNYTLEFGQSAGMSISGMMSP 257  
 :  
 Db 265 RAISOSGTALFLFITSNPLKVKVHLAGCHNSQVILVNCURALSGTKVNBVSNKMR 3 24  
 :  
 Qy 258 LASGLFLRFAISGTLAFLRLFTTSNPKVKAHVLAGCNHSQVILVNCURALSGTKV 317  
 :  
 Db 182 DEHSRGWGHLDQVAAIRWQDNTIANFGGDPGSVTFIBESAGQSVSTLLSPTRNLFH 24 1  
 :  
 Qy 318 RVSNNKMRFLQINFORDELLWMSMSPVYDGGVYIPDDPLVLLTGQKVSSVPLGVNLNEF 377  
 :  
 Db 320 FMADDLVSDPKNETATLTVQVLLKPAPELAERKYYMLPYMGVQNEQFPPM 36 7  
 :  
 Qy 384 IMKPLNQAMRKETITKMLWSTRTLNITKEQVPLVVEYDNNVNEHDWKMLRNRMMDI 4 44  
 :  
 Db 362 MLGXPSEKGKLDQDQKATATLWKSYPVAVSKELTPVATEKYLGTDDPVVK- -KDFLFLDM 41 8  
 :  
 Qy 444 VQDATEVATLQTAHYRDAGLPLPYLYEFHHH-ARGIVKPRTDGADHGDEMPLFGGP 50 5  
 :  
 Qy 356 GWTIPMOMGLPYSEKGKLDQDQKATATLWKSYPVAVSKELTPVATEKYLGTDDPVVK-- 41 3  
 :  
 Db 356 GWTIPMOMGLPYSEKGKLDQDQKATATLWKSYPVAVSKELTPVATEKYLGTDDPVVK-- 41 3

Db 420 LADLFGVPSVNTARHHRDAGAPTYMYYRTPSPSSNMRPKTVIGDEGDIFSVLGAPF 479  
 Qy 503 ATGLSMGKEKALSLQMMKTYWANPARTGNPNDGNLPCWPRYNNDEBKYLQDGFTRVGKFLK 562  
 Db 480 LKEGATEBTKLSKWMKTYWANPARNGENGEPLQWADYKEGYLQIGATTQAAQKLK 539  
 Qy 563 EKRM 566  
 Db 540 DKEV 543

**RESULT 4**  
 US-08-845-225A-2  
 ; Sequence 2, Application US/08452295A  
 ; Patent No. 5817490  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hubbs, John C.  
 ; TITLE OF INVENTION: Enzymatic Process for the Manufacture of  
 ; Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of  
 ; Title of Invention:  
 ; Title of Invention: 2-Keto-L-Gulonic Acid  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Eastman Chemical Company  
 ; STREET: P.O. Box 511  
 ; CITY: Kingsport  
 ; STATE: Tennessee  
 ; COUNTRY: USA  
 ; ZIP: 37662-5075  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5 inch disk  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: Windows 95  
 ; SOFTWARE: Microsoft Word  
 ; CURRENT APPLICATION NUMBER: US/08/845,295A  
 ; APPLICATION NUMBER: 60/017,879  
 ; FILING DATE: 17-MAY-1996  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; REFERENCE/DOCKET NUMBER: 70432  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 423-229-6189  
 ; TELEFAX: 423-229-1239  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 584 amino acids  
 ; TYPE: Amino Acid  
 ; TOPOLOGY: Linear  
 ; MOLECULE TYPE: protein  
 US-08-845-225A-2

Query Match 37.6%; Score 1169.5; DB 2; Length 584;  
 Best Local Similarity 43.0%; Prod. No. 9.3e-111; Indels 29; Gaps 13;  
 Matches 249; Conservative 108; Mismatches 193;

Qy 26 WILCWLSLCLMLTALGALHTKRPQVY-TKYGTLQKQHVG----KTPIOVPLGYPFS 80  
 Db 2 WILL--PLVLTASSATWAGOPASPVVDTAQGRVLGKVVSLEGЛАPTQVAVFLGYPFA '59

Qy 81 RPPGILRFAPPSEPPKGIRDATTYPGCLOCBSWGGGLASHMYVST---RERYKWRPS 136  
 Db 60 KPPGSLRFAPPQAEPPSFVQTTSKPMCCODPVQEIQMTSDLFTNFTGCRBLT-LEFS 118

Qr 137 EDCIYLNTYAPAPARGDPOLYMWFPGGAPIVGAASSYEGSDLAARK--VYLYPLQHR 194  
 Db 119 EDCIYLNTYPADLTKRSLRPLMVWIRGGLVIGGAPMVTGUVLAAHENFTVVVVAQYR 178

Qy 195 LGIFGFLSTDDSHARGNWGLLDDMAALEWQENIAAFGDPGNVTLFGQS--AGAMISG 252

Db 179 LGIWGFSTGDEHSRGNGHLDQYAALHWQENIAFNFGDPGSVTIAGESFTAGGESVSV 238  
 Qy 253 LMSPSPLAGLFHRAISQSGTALPRLFTSNPLKVKVRAHVLAGCNHNRSTQI--LVNCIRA 310  
 Db 239 LVLSPLAKLTHRAISESGVALTVLRKDMKAAKQTAVLAGCKTTSAVFTPPVHCLRQ 298  
 Qy 311 LSGCTKVMRSNKNSKQFLQINFORPPEELIWSMSPVVDGYVIPDPPLVLTQG--KVSSYF 368  
 Db 299 KSEBDLQDLTLKPKFLTDHGQRESHPLPVDGVLLPKRPEELIAEKDFTNTVY 358  
 Qy 369 LGVNNLEFWNLIPYIMKPLRNQAMRKETITKMLWSTRLTNLTKEQVPLV--VEEYD 426  
 Db 359 IVEINKOEGFWLPLTMGPPLSEGKLDORTATSLWKSXPANIPEELTPVATFTDKYLG 418  
 Qy 427 NYNEHDWKMLRNRMMDIVQDATFVYATLQTAHYRDAGLPVLYFEIH--ARGIIYKP 483  
 Db 419 GTDGPVVK--KDLDLDMGDVYFGVPSVTVQRQHDAGAPTMYEQYRPSSESKFVKP 476  
 Qy 484 RTDGADRGDEMFLFGGFATGLSMGKEKALSLQMMCYWANFARTGPNPDGNLPCWP--R 541  
 Db 477 KTVIGDHGDEIFSVGFPLKGDAPBEEVSLSKTVMKFWANFARSQNNGEGLPHWPTM 536  
 Qy 542 YNKEKYLQDFTTRVGKMLKEKKMFAFMMSLYQSQRPEK 580  
 Db 537 YDQECYLQIGVNTQAALKRGEEVAFWNDLLSKEAARK 575

RESULT 5  
 US-09-140-933-2  
 ; Sequence 2, Application US/09140933  
 ; Patent No. 6022719  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hubbs, John C.  
 ; TITLE OF INVENTION: Enzymatic Process for the Manufacture of  
 ; Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of  
 ; Title of Invention:  
 ; Title of Invention: 2-Keto-L-Gulonic Acid  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Eastman Chemical Company  
 ; STREET: P.O. Box 511  
 ; CITY: Kingsport  
 ; STATE: Tennessee  
 ; COUNTRY: USA  
 ; ZIP: 37662-5075  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5 inch disk  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: Windows 95  
 ; SOFTWARE: Microsoft Word  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/140,933  
 ; FILING DATE: 27-August-98  
 ; CLASSIFICATION:  
 ; PRIORITY/AGENT INFORMATION:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Cheryl J. Tubach  
 ; FILING DATE: 25-April-97  
 ; CLASSIFICATION: 435  
 ; REFERENCE/DOCKET NUMBER: 70432  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 423-229-6189  
 ; TELEFAX: 423-229-1239  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 584 amino acids  
 ; TYPE: Amino Acid  
 ; TOPOLOGY: Linear  
 ; MOLECULE TYPE: protein  
 US-08-845-225A-2

Query Match 37.6%; Score 1169.5; DB 2; Length 584;  
 Best Local Similarity 43.0%; Prod. No. 9.3e-111; Indels 29; Gaps 13;

Matches 249; Conservative 108; Mismatches 193;

Qy 26 WILCWLSLCLMLTALGALHTKRPQVY-TKYGTLQKQHVG----KTPIOVPLGYPFS 80  
 Db 2 WILL--PLVLTASSATWAGOPASPVVDTAQGRVLGKVVSLEGЛАPTQVAVFLGYPFA '59

Qy 81 RPPGILRFAPPSEPPKGIRDATTYPGCLOCBSWGGGLASHMYVST---RERYKWRPS 136  
 Db 60 KPPGSLRFAPPQAEPPSFVQTTSKPMCCODPVQEIQMTSDLFTNFTGCRBLT-LEFS 118

Qr 137 EDCIYLNTYAPAPARGDPOLYMWFPGGAPIVGAASSYEGSDLAARK--VYLYPLQHR 194  
 Db 119 EDCIYLNTYPADLTKRSLRPLMVWIRGGLVIGGAPMVTGUVLAAHENFTVVVVAQYR 178

Qy 195 LGIFGFLSTDDSHARGNWGLLDDMAALEWQENIAAFGDPGNVTLFGQS--AGAMISG 252

Query Match 37.6%; Score 1169.5; DB 3; Length 584;  
 Best Local Similarity 43.0%; Pred. No. 9.9e-111;

NAME: Cheryl J. Tubach  
 REGISTRATION NUMBER: 38,346  
 REGISTRATION/DOCKET NUMBER: 70432  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 423-229-6189  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 584 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear  
 MOLECULE TYPE: protein  
 US-09-146-661-2

Query Match 37.6%; Score 1169.5%; DB 3; Length 584;  
 Best Local Similarity 43.0%; Pred. No. 9.9e-111;  
 Matches 249; Mismatches 193; Indels 29; Gaps 13;

Query 26 WILCNSLTLCLMAQTAQLGALHTKRPQVV-TKYGFLQGMHVG---KTPIQYFLGVPPFS 80  
 2 WLL--PLVLTSLASSATWAGQAPASPVVDTAQGRVLGKVTSLEGLAFTCPVAVFLGVPPFA 59

Query 81 RPLPLGTLRAPPPEPFWGIRDAATTYPCEQLQBSWQGQASMYST---RERYXWLFES 136  
 60 KPKPLSLSRAPPQPAEPWSFVKNTTISPMCCQDPPVEMTSDFLTFNGKERLT-LEFS 118

Query 137 EDCLYLNVYAPARAPGDPOLPYVMWFPGCAFIVGAASSEYEGSDLAAREK- VVLFVLRHR 194  
 119 EDCLYLNVYAPARAPGDPOLPYVMWFPGCAFIVGAASSEYEGSDLAAREK- VVLFVLRHR 178

Query 195 LGIFGFLSTDSHARGNWGLDQMAALRQVQENTAAGFGDPGNVTLFGOS- AGAMSTSG 252  
 179 LGINGEFFSTGDEHSRGNWGHLDQVAALHWYQENTANFGDPGSVTTIFGSSFTAGGESYSV 238

Query 253 LMSPSLASGLFHRAISQSGTALFLRFLITSPNPLKVAHLAGCNHNSTQI--LYNCILRA 310  
 239 LVLSPLAKNLFHRAISESGVATLVRLRDKMAAKQIAVLAGKTTTSAVFTFVHCLRQ 298

Query 311 LSGCTKVMRVSNSKMRFLQINQNDPDEELTWSMSPVYDGVVTPDDPLVLTQG- KVSSVYF 368  
 299 KSEDPLDLTFLKMKRFLQINQNDPDEELTWSMSPVYDGVVTPDDPLVLTQG- KVSSVYF 358

Query 369 LLGYNNLTEAWLPLPYMKPFLNQRQAMRKETITKOMLWSTTLLNITKEQVPLV- VEELYD 426  
 359 IVGINKQEFWMLPTMMGPFLSEGKLDQCTATSSLWKSPTIANPEELTPVAAPTDKYLG 418

Query 427 NVNERDWKLNRNMDIVDQATPFYATLQTAHYERDAGIPVLYBFEEHH-- ARGIIYRP 483  
 419 GTDDPDKKK- KDLFLDLMGDVVFGPSVITYARQERDAGPTMTEFOQFSPSSDKFPTP 476

Query 484 RTDGADHGDEMELFLGGPFPATGLSMGKEKALKLKEKMAFMNSLYQSORPEK 541  
 477 KTVIGDHDGDRPSVGFPLLKGDABEETVSLSKTKVMPFANFARSGNPNGEGLPHWPFTM 536

Query 542 YNKDEKYLQDFTTRVGMKLKEKMAFMNSLYQSORPEK 580  
 537 YDQEFGYLQGVNTQAAKRLKGEEAVNNDSLKEAAKK 575

RESULT 6  
 Sequence 2, Application US/09146661

GENERAL INFORMATION:  
 APPLICANT: Hubbs, John C.  
 PATENT NO. 6136575  
 TITLE OF INVENTION: Enzymatic Process for the Manufacture of  
 Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of 2-Keto-L-Gulonic Acid  
 NUMBER OF SEQUENCES: 3  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Eastman Chemical Company  
 STREET: P.O. Box 511  
 CITY: Kingsport  
 STATE: Tennessee  
 ZIP: 37662-5075  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch disk  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: Windows 95  
 SOFTWARE: Microsoft Word  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/146,661  
 FILING DATE: 03-September-98  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 ATTORNEY AGENT INFORMATION:  
 FILING DATE: 17-May-96; 25-April-97  
 ATTORNEY AGENT INFORMATION:  
 STREET: P.O. Box 511  
 CITY: Kingsport

NAME: John C. Rubbs  
 GENERAL INFORMATION:  
 APPLICANT: Rubbs, John C.  
 TITLE OF INVENTION: Enzymatic Process for the Manufacture of  
 Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of  
 2-Keto-L-Gulonic Acid  
 NUMBER OF SEQUENCES: 3  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Eastman Chemical Company  
 STREET: P.O. Box 511  
 CITY: Kingsport

RESULT 7  
 US-09-150-515-2  
 Sequence 2, Application US/09150515  
 Patent No. 6271006  
 GENERAL INFORMATION:  
 APPLICANT: Rubbs, John C.  
 TITLE OF INVENTION: Enzymatic Process for the Manufacture of  
 Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of  
 2-Keto-L-Gulonic Acid  
 NUMBER OF SEQUENCES: 3  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Eastman Chemical Company  
 STREET: P.O. Box 511  
 CITY: Kingsport

STATE: Tennessee  
 COUNTRY: USA  
 ZIP: 37662-5075  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch disk  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: Windows 95  
 SOFTWARE: Microsoft Word  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/03/150,515  
 FILING DATE: 09-SEP-1998  
 CLASSIFICATION:  
 APPLICATION NUMBER: US 60/017,879; 08/845,295  
 FILING DATE: 17-May-96; 25-April-97  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cheryl J. Tabach  
 REGISTRATION NUMBER: 38  
 REFERENCE/DOCKET NUMBER: 70432  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 423-229-6189  
 TELEFAX: 423-229-1239  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 584 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear  
 MOLECULE TYPE: protein  
 US-09-150-515-2

RESULT 8  
 US-10-033-515-2  
 ; Sequence 2, Application US/10023515  
 ; Patent No. 6661091  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Curtis, Rory A. J.  
 ; ADDRESS: S1108-Santiago, Inmactulada  
 ; TITLE OF INVENTION: A NOVEL HUMAN CARBOXYLESTERASE  
 ; FILE PREFERENCE: 10448-122001  
 ; CURRENT FILING DATE: 2001-12-18  
 ; PRIOR APPLICATION NUMBER: US/10/023,515  
 ; CURRENT FILING DATE: 2001-12-18  
 ; PRIOR FILING DATE: 2000-12-18  
 ; PRIOR APPLICATION NUMBER: 60/279,508  
 ; PRIOR FILING DATE: 2001-03-28  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PasteSEQ for Windows Version 4.0  
 ; SEQ ID NO 2  
 ; LENGTH: 581  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-023-515-2

Query Match 36.8%; Score 1145; DB 4; Length 581;  
 Best Local Similarity 42.8%; Pred. No. 3.2e-108;  
 Matches 249; Conservative 91; Mismatches 186; Indels 56; Gaps 13;

Qy 11 LPSLLPTAGAGMSMRWILCWSTLCLMATAQLG-----ALHTRKRPVVTYGTQSQKQ 63  
 Db 1 MPQQLTSSAQW-----CFFLIL---QPLLHRQMGKTGPAEGPORNTRLGWIKSQKQ 50

Qy 64 MHTY- -GKTRPIQVPLGVDFSRSPRPGIPLRFAPEPPWKGIRDATTPGGCQESWGQLAS 121  
 Db 51 VTVLGSVPVNVLGVPEAAPPGLSLRETNQPASPDWLREATSYPNLCLQNSEWLJID 110

Qy 122 MVTSTRERYKWLRSEDCULANYAPARAPGDQQLPWNWFPGGAPIVGAASSYEGSOLA 181  
 Db 111 QHM-LKVHYPKFGEVSSEDCLULANYAPAHDTGSKLPVLUWFPGGAFKTGSASTFDGSLA 169

Qy 182 ARKXVVLFLQIRLGIPLSTDSHARGNWGLDQMLARWQENTAFCGGDGNTVTLF 241  
 Db 170 AFEDVLVVVQTRLIGIECFPTTDQHAGNWAKDQVALSNTQKNIEFFGGDDSSVTIF 229

Qy 242 GOSAGAMISGIMMSPASGLPHRAISQSQTALFRL-----FITSNPLVKVAKVVAHLAGC 296  
 Db 230 GESAGATSVSSLITLSPAGLPHRAIMSGVATIPYLEADHTEKSEDLV-----VAHFECGN 286

Qy 297 NRNSTQQLVNCRALSGTGTKMRVSNKQRFLQNFQRDPEELIMSPSPVYDGVVTPDBLV 356  
 Db 287 NASDEALRCLRTKPSKELLTSQKTK-----SFTRVVDGAGFPNEPLD 331

Qy 357 LUTQKVSSVPTLGVNLNFPLWLPYTMKFPAHQMRKETITKMLWSTRLUNITEQ 416  
 Db 332 LLSQKAKAIPSIQVHNHECGFLLP-MKEAPBILSSNSNKLALHL--QNLHIPPQY 387

Qy 417 VPLVVEREYLDNVNEHDWKMRLRNRMMDIVQDATFVYATLQTAHYRDAGLPVLYFEFHAA 476  
 Db 388 LHHLVANEYFH--DKHSLTEIRDSSLQDUGDVFFVPLALITYHRDAGAPVTFYEFHRP 445

Qy 477 RGT-IIVPRPTGDAHGDEMFLFGGPATG-----LSMGKRKALSLOMMCTKANPARTG 529  
 Db 446 QCPFDTPAFVKAHDAEDEVRFVFGAFLKGDIVMFECAFEBKLSRKMVKWTAPARTG 505

Qy 530 NPNDGNLPCWPYRNOKDEKYLQDFTTRVMGLKLRKONAFWMS 571  
 Db 506 NPNGNDLSLWPAYNLTROYLDLNMSIGQRLXPRDFTWS 547

RESULT 9  
 US-09-264-737-1

Qy 542 YNKEDEKYLQDFTTRVMGLKLRKONAFWMSIQSRPK 580  
 Db 537 YDQEFGYVQIQTNTQAARLKGEEVAPNDLUSKEAACK 575

Sequence 1, Application US/09264737A  
 i Patent No. 6107549  
 i GENERAL INFORMATION:  
 i APPLICANT: Feng, Paul C.C.  
 i APPLICANT: Ruff, Thomas G.  
 i TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via  
 i Title of Expression of Esterase Enzymes  
 i FILE REFERENCE: 38-21(10551) RUE3 Pyridine Tolerance  
 i CURRENT APPLICATION NUMBER: US/09/264,737A  
 i CURRENT FILING DATE: 1999-03-09  
 i EARLIER APPLICATION NUMBER: 60,077,377  
 i EARLIER FILING DATE: 1998-03-10  
 i NUMBER OF SEQ ID NOS: 11  
 i SOFTWARE: PatentIn Ver. 2.0  
 i SEQ ID NO: 1  
 i LENGTH: 539  
 i TYPE: PRT  
 i ORGANISM: Rabbit  
 i US-09-264-737-1

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Query Match 36.4%; Score 1133; DB 3; Length 539;  
 Best Local Similarity 41.3%; Pred. No. 4.8e-107; Indels 30; Gaps 10;  
 Matches 227; Conservative 115; Mismatches 177; Indels 30; Gaps 10;

Query Match 34.8%; Score 1083; DB 4; Length 559;  
 Best Local Similarity 40.8%; Pred. No. 7e-102; Indels 38; Gaps 10;  
 Matches 232; Conservative 94; Mismatches 204; Indels 38; Gaps 10;

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Query Match 27.1%; Score 1083; DB 4; Length 559;  
 Best Local Similarity 40.8%; Pred. No. 7e-102; Indels 38; Gaps 10;  
 Matches 232; Conservative 94; Mismatches 204; Indels 38; Gaps 10;

Qy 46 HTKRPQVTVKTYGTLGKQHVGK-----TPIQVFLGVPSRPLGLRFAPEPEP 97  
 Db 1 HPSAPPVV--DTVKTKVTL-GKRVSVLEGGFAQVAYFLGVPKLOSSLRAPPQES 55  
 Qy 98 WKGIRDATVTPPGCLQE--SWGQLASMYSTREYKWRMTRFEDCLYNYAPARAGPQ 155  
 Db 56 WSHVKNTTSYPPMCSSDAYSQHMSLSELFTRKENIP-LKFSEDLYNITYPADLTKEGR 114  
 Qy' 156 LPVNVWFGGAFTVGAASSSYEGSDLAAREKVVLVFLQHRLGIFTGFLSTDSDHARGNWL 215  
 Db 115 LPVNVWIGGLDQMAALRWQENIAAGGDPGNVTLFGQSAGAMSISGLMSPLASLFH 166  
 Qy 216 DQMAALRWQENIAAFGGDGNVTLFGQSAGAMSISGLMSPLASLCHFRAISOGTALF 275  
 Db 167 FLVAVNRWQDNIAFNGDGSVTFGEARGGVSIIHLSPTKNLHRASESGVLL 226  
 Qy 276 RLFTTSNPLKVAKYAHLAGCNHNSTQLVNCRALISGKVMERVSNKRFQLNFRDPE 335  
 Db 227 SSLFRKNTTSLAEKIAEAGCKTTSAVMVHCLRQKTEELMVTLKNEFMDLVGPK 286  
 Qy 336 ERINSMSPVVDGVVTPDDPLVLLTQDGKVSVPVLYGNNVNLFWNLPL-YMKEPFLRNQAM 394  
 Db 287 ENTAFLTVIDGVLPKAPEAIYEKKNNLPVNGINQEFGMVTPOMLGYPLSEEKL 346  
 Qy 395 RKETITMMNSTRTLNITKEQVPLVVEYLDNNEHEDKMLNRMMDIQDATEVYATL 454  
 Db 347 DQKTAELWIKSYPVNVSKELTIVATEKYLGGTDDPDKK--KDLFLMLADLUGFQVES 404  
 Qy 455 QTAYHRDAGLPLVLYFEIH-ARGIVIIPRTDGAHDGDEMFLFEGGPATGLGSMGKEKA 513  
 Db 405 NVARHRDAGAPTMYEYRPSFSDDMRPKTVIGDHEBIFPSVLGAFLKEGATEEIK 464  
 Qy 514 LSLQNMKWMKWMFARTGNPNDGNLPCWPYRNKDETXLQLDFTRGMCUKKEKNAFMWSLY 573  
 Db 465 LSLQNMKWMKWMFARTGNPNDGNLPCWPYRNKDETXLQLDFTRGMCUKKEKNAFMWSLY 524  
 Qy 574 -QSORPEK 580  
 Db 525 AKEAARPE 533

RESULT 11  
 US-09-949-016-6426  
 Sequence 6426, Application US/09949016  
 i Patent No. 6812339  
 i GENERAL INFORMATION:  
 i APPLICANT: VENTER, J. Craig et al.  
 i TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 i FILE REFERENCE: CI/001307  
 i CURRENT APPLICATION NUMBER: US/09/949,016  
 i CURRENT FILING DATE: 2000-04-14

7

COMPUTER READABLE FORM:

COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/446,100  
FILING DATE: 19-MAY-1995  
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Hendricks, Gleanna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: broomfield

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 425-4250  
TELEFAX: (703) 425-2767  
INFORMATION FOR SEQ ID NO: 26:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ANTI-SENSE: YES  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: human esterases  
US-08-446-100-26

Query Match 31.6%; Score 983.5; DB 3; Length 454;  
Best Local Similarity 43.6%; Pred. No. 8e-92; Mismatches 158; Indels 5; Gaps 4;

Matches 196; Conservative 91; MisMatches 158; Indels 5; Gaps 4;

QY 137 EDCLYLNVTAAPARAQDPQLPVMWPEFGGRAFTVGAASVSYEGSDIAARERKVLVLOHLIG 196  
Db 1 EHCLYLNTYTPADLTKNRIPVMTWIGGLMVGAASSTDGLAALAHNVVVTIQFLG 60

QY 197 TFGFLSTDDSHARGNWGLIDQMAALRWNOENIAAFGGDPGNVTLFGOSAGAMSISGLMMS 256  
Db 61 IWGPFTSGDHSRGWGHLDQVAALRWNOINASFGGGNPGSVTIIFGEAGGESSVSLVLS 120

QY 257 PLASGLFHRAISOSGTTAFLPLITSNPLK-VAKKVVAHLAGCNHINSTQVLVNLRLASCTK 315  
Db 121 PLAKNLFHRAISESVAVLSPVLRKGDVDFPLAEQIAATAGCKTITSAAMVHCLRQKTEE 180

QY 316 VMRVSNKMRFLQLNQFDPEBIIWMSPPVDPGVVTPDDPLVLLTQGKTVSSPVYLLGNNL 375  
Db 181 LLETTLKIGNSVLNTYRETORESTLGLTVIDGMULLKTFEELQERENPTVPTVPMVGINKQ 240

QY 376 EFNWLIP-YIMKFPLNRAQMKTITKMLMSTRTLNITKEQVPLVVEYLDVNNEHWK 434  
Db 241 EFGWLILPQLMSPYLSPISEGOLDQKTAAMSPLFAJAKELFEATEKXLGSTD--DTRV 298

QY 435 MLRNRMMDIVQDATVYATLQTAHYDRAGLPVLYFEHH-ARGILVKPRTDGADHDE 493  
Db 299 KKKDLILDLADMEGVPSITVARNHRDAGAPTMYEFQRPSSSDKKPKTVGDHDE 358

QY 494 MYFLGGPFATGLSMGKEKALSLQMMKTYWANPARTGNDGNLPCWPYRNYKDKYKLQDF 553  
Db 359 LFSVFGAPPFLKEGASEEEVRLSKNMVKWANPARNGNPKGKLPHWPYNOKEGYLQIGA 418

QY 554 TTRVGMKLRKEKKAQFWMSLYQSQRPEKQRQ 583  
Db 419 NTQAAQKLRKEVAFWTLNFKKAVERPPQ 448

RESULT 14  
US-08-446-100-30  
Sequence 30, Application US/08446100  
Patent No. 6001625  
GENERAL INFORMATION:  
APPLICANT: Broomfield, Clarence A

APPLICANT: Millard, Charles B  
APPLICANT: Lockridge, Okenna  
TITLE OF INVENTION: Site-Directed Mutagenesis of Esterases  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hendricks and Assoc.  
STREET: 9669 A Main Street, P.O. Box 2509  
CITY: Fairfax  
STATE: VA  
COUNTRY: US  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/446,100  
FILING DATE: 19-MAY-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Gleanna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: broomfield  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 425-4250  
TELEFAX: (703) 425-2767  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 454 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ANTI-SENSE: YES  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: human esterases  
US-08-446-100-30

Query Match 31.6%; Score 983.5; DB 3; Length 454;  
Best Local Similarity 43.6%; Pred. No. 8e-92; Mismatches 158; Indels 5; Gaps 4;

Matches 196; Conservative 91; MisMatches 158; Indels 5; Gaps 4;

QY 137 EDCLYLNVTAAPARAQDPQLPVMWPEFGGRAFTVGAASVSYEGSDIAARERKVLVLOHLIG 196  
Db 1 EHCLYLNTYTPADLTKNRIPVMTWIGGLMVGAASSTDGLAALAHNVVVTIQFLG 60

QY 197 TFGFLSTDDSHARGNWGLIDQMAALRWNOENIAAFGGDPGNVTLFGOSAGAMSISGLMMS 256  
Db 61 IWGPFTSGDHSRGWGHLDQVAALRWNOINASFGGGNPGSVTIIFGEAGGESSVSLVLS 120

QY 257 PLASGLFHRAISOSGTTAFLPLITSNPLK-VAKKVVAHLAGCNHINSTQVLVNLRLASCTK 315  
Db 121 PLAKNLFHRAISESVAVLSPVLRKGDVDFPLAEQIAATAGCKTITSAAMVHCLRQKTEE 180

QY 316 VMRVSNKMRFLQLNQFDPEBIIWMSPPVDPGVVTPDDPLVLLTQGKTVSSPVYLLGNNL 375  
Db 181 LLETTLKIGNSVLNTYRETORESTLGLTVIDGMULLKTFEELQERENPTVPTVPMVGINKQ 240

QY 376 EFNWLIP-YIMKFPLNRAQMKTITKMLMSTRTLNITKEQVPLVVEYLDVNNEHWK 434  
Db 241 EFGWLILPQLMSPYLSPISEGOLDQKTAAMSPLFAJAKELFEATEKXLGSTD--DTRV 298

QY 435 MLRNRMMDIVQDATVYATLQTAHYDRAGLPVLYFEHH-ARGILVKPRTDGADHDE 493  
Db 299 KKKDLILDLADMEGVPSITVARNHRDAGAPTMYEFQRPSSSDKKPKTVGDHDE 358

QY 494 MYFLGGPFATGLSMGKEKALSLQMMKTYWANPARTGNDGNLPCWPYRNYKDKYKLQDF 553  
Db 359 LFSVFGAPPFLKEGASEEEVRLSKNMVKWANPARNGNPKGKLPHWPYNOKEGYLQIGA 418

QY 554 TTRVGMKLRKEKKAQFWMSLYQSQRPEKQRQ 583  
Db 419 NTQAAQKLRKEVAFWTLNFKKAVERPPQ 448

RESULT 14  
US-08-446-100-30  
Sequence 30, Application US/08446100  
Patent No. 6001625  
GENERAL INFORMATION:  
APPLICANT: Broomfield, Clarence A

QY 494 MYFLGGPFATGLSMGKEKALSLQMMKTYWANPARTGNDGNLPCWPYRNYKDKYKLQDF 553  
Db 359 LFSVFGAPPFLKEGASEEEVRLSKNMVKWANPARNGNPKGKLPHWPYNOKEGYLQIGA 418

Qy 554 TTRYGMKLERKRMFAWMMSLYQSQRPEKQRQ 583  
 Db 419 NTQAAQKLDRKEVATWNLPAKKAVEKPPQ 448

RESULT 15  
 US-08-446-100-31  
 ; Sequence 31, Application US/08446100  
 ; Patent No. 600165  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Broomfield, Clarence A  
 ; APPLICANT: Millard, Charles B  
 ; APPLICANT: Lockridge, Oksana  
 ; TITLE OF INVENTION: Site-Directed Mutagenesis of Esterases  
 ; NUMBER OF SEQUENCES: 31  
 ;  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Hendricks and Assoc.  
 ; STREET: 9669 A Main Street, P.O. Box 2509  
 ; CITY: Fairfax  
 ; STATE: VA  
 ; COUNTRY: US  
 ; ZIP: 22031  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/446,100  
 ; FILING DATE: 19-MAY-1995  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Hendricks, Glenn  
 ; REGISTRATION NUMBER: 32,535  
 ; REFERENCE/DOCKET NUMBER: broomfield  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 425-4250  
 ; TELEFAX: (703) 425-2767  
 ; INFORMATION FOR SEQ ID NO: 31:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 454 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: YES  
 ; ANTI-SENSE: YES  
 ; FRAGMENT TYPE: N-terminal  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: human esterases  
 US-08-446-100-31

Query Match 31.6%; Score 983.5; DB 3; Length 454;  
 Best Local Similarity 43.6%; Pred. No. 8e-92;  
 Matches 196; Conservative 91; Mismatches 158; Indels 5; Gaps 4;

Qy 197 IFGFELSTDDSHARGNWGLIDOMAALRWQENIAAFGGDPCNNTLFGOSAGAMSISGLAMS 256  
 Db 61 IWFGEFTGDSRHSRNWGHLDQVAALRWQDNIAASGGNPGSVTIFGEAGGEGSVVLS 120

Qy 137 EDCLYLNAPARAFGPQLPVMWTFPGGAFTIVGASSYSEGSDLAARKVVALFLQHRLG 196  
 Db 1 EHCLYLNITYPADLTKNRILPVMWTFHGGLMVGAATSTDGLALAHEHVVVTIQHLIG 60

Qy 257 PLASGLFHRAISQSTALFRFLITSNPLK\_VAKVYAHLLAGCNANSTQIYVNCRLASGTK 315  
 Db 121 PLAKNLFHRAISESVALTSVLVKKGDFVPLAEQTAITGCKTTSAAVHCLRQKTEEE 180

Qy 316 VMRVSNKMRFLQNLNFQDPEBIIIMSMPVVDGVVTPDPVILTGQKVSVPYLGYNL 375  
 Db 181 LLETTLKIGNSLYWTRETORESHILLGTVTDGMLLKTPBEELQERFNHTVPMGINKQ 240

Qy 376 EFNWLLP-YIMKFPLNRQAMRKETITKMLWSTRTLNNITKEQVPLVVEYYLDNVNEHHWK 434

Db 241 EFGNLIPMQLMSYPLSEGQDQKTAPEKYLGGTD-DRV 298  
 Qy 435 MLRRMMMDTVQDAEYVATLQTAHYRDAGLPVLYEFEEH-AGIIVKPRTDADHGDS 493  
 Db 299 KKKDLILDLIADWVNGVPSVTVANHRDAGAPTMYEQVRPSSDMKEFKTVGDHGDS 358  
 Qy 494 MYFLFGGPFATGSLMGKEKALSLQMMKTYWANPARTGNPNNDGNLPCWPRTNKDEKYLQDF 553  
 Db 359 LFSFGAPPKEKIGASBEEIRLSKXNMKEWANFANGNPNGKGLPHMPETNQKEGYLQIGA 418  
 Qy 554 TTRYGMKLERKRMFAWMMSLYQSQRPEKQRQ 583  
 Db 419 NTQAAQKLDRKEVATWNLPAKKAVEKPPQ 448

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 Job time : 32 secs

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## OM protein - protein search, using sw model

Run on: May 10, 2005, 16:36:12 ; Search time 441 Seconds

(Without alignment B)

441.773 Million cell updates/sec

Title: US-10-001-227-2

Perfect score: 31.12

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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1428581 seqs, 333598853 residues

Total number of hits satisfying chosen parameters:

1428581

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgmn\_6/ptodata/1/pubpaa/US06\_NEW PUB.pep:\*

4: /cgmn\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*

5: /cgmn\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*

6: /cgmn\_6/ptodata/1/pubpaa/PCRTS\_PUBCOMB.pep:\*

7: /cgmn\_6/ptodata/1/pubpaa/US08\_NEW PUB.pep:\*

8: /cgmn\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.

Score

Match

Length

DB ID

Description

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33	2026.5	65.1	545	10	US-09-978-802A-254	Sequence 254, App	Sequence 254, App
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36	2026.5	65.1	545	14	US-10-174-590-58	Sequence 58, App	Sequence 58, App
37	2026.5	65.1	545	14	US-10-176-758-58	Sequence 58, App	Sequence 58, App
38	2026.5	65.1	545	14	US-10-175-737-58	Sequence 58, App	Sequence 58, App
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40	2026.5	65.1	545	14	US-10-176-483-58	Sequence 58, App	Sequence 58, App
41	2026.5	65.1	545	14	US-10-174-749-58	Sequence 58, App	Sequence 58, App
42	2026.5	65.1	545	14	US-10-176-914-58	Sequence 58, App	Sequence 58, App
43	2026.5	65.1	545	14	US-10-176-915-58	Sequence 58, App	Sequence 58, App
44	2026.5	65.1	545	14	US-10-173-706-58	Sequence 58, App	Sequence 58, App
45	2026.5	65.1	545	14	US-10-175-738-58	Sequence 58, App	Sequence 58, App

## ALIGNMENTS

RESULT 1  
US-10-001-227-2  
US-10-001-227-2 Application US/10001227  
; Publication No. US2003016900A1  
; GENERAL INFORMATION:  
; APPLICANT: KAPPELER-LIBERMANN  
; TITLE OF INVENTION: METHODS OF USING 18903 TO TREAT PAIN AND  
; TITLE OF INVENTION: PAIN-RELATED DISORDERS  
; FILE REFERENCE: MNI-199  
; CURRENT APPLICATION NUMBER: US/10/001,227  
; CURRENT FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: 60/1250929  
; PRIOR FILING DATE: 2000-11-30  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 584  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-10-001-227-2

Query Match Score 100.0%; DB 14; Length 584;

Best Local Similarity 100.0%; DB 14; Length 584;

Matches 584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MPSTVLPSTVLPSLPTAGAGWSRWLWSLTLCLMQLALHTRPQVTKYGLQ 60

Db 1 MPSTVLPSTVLPSLPTAGAGWSRWLWSLTLCLMQLALHTRPQVTKYGLQ 60

Qy 61 GKRHHVGKTPIOVEGVPEFSRPPGILRAPPPEPPKGIRDRATTYPRGCLOSESGQLA 120

Db 61 GKRHHVGKTPIOVEGVPEFSRPPGILRAPPPEPPKGIRDRATTYPRGCLOSESGQLA 120

Qy 121 SMYUSTRERYKMLRPSDCLYNTAYAPARAGDPQLPYMWFPGAFIVGAASSYEGSDL 180

121 SMYVSTRERYKWLRFSEDCLYNVYAPARAPGDQLPVMWPGCAFIVGAASSYEGSDL 160  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; OTHER INFORMATION: Incyc ID No: 7478588CD1  
 ; US-10-343-593-10

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Query Match Score 3112; DB 16;  
 Best Local Similarity 100.0%; pred. No. 4.8e-282;  
 Matches 584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MPSTVLPSLPIVPLSLIPTAGAGSMRILCWSTLCLMAMTALGALATKRPOVTKYGTQ 60  
 Db 1 MPSTVLPSLPIVPLSLIPTAGAGSMRILCWSTLCLMAMTALGALATKRPOVTKYGTQ 60

Qy 61 GKQHVGKTPPIOYLVPESRPLGLRFAPEPPPEPKGTRDATTYPGCLBOSWGOIA 120  
 Db 61 GKQHVGKTPPIOYLVPESRPLGLRFAPEPPPEPKGTRDATTYPGCLBOSWGOIA 120

Qy 121 SMYVSTRERYKWLRFSEDCLYNVYAPARAPGDQLPVMWPGCAFIVGAASSYEGSDL 180  
 Db 121 SMYVSTRERYKWLRFSEDCLYNVYAPARAPGDQLPVMWPGCAFIVGAASSYEGSDL 180

Qy 122 AAREKVYLVFLQHRLGIFGFLSTDDSHARGNWGLIDQMAALRNQENIAAFGGSDPNTL 240  
 Db 122 AAREKVYLVFLQHRLGIFGFLSTDDSHARGNWGLIDQMAALRNQENIAAFGGSDPNTL 240

Qy 123 GKVSSVPYLGVNNLBENWLLPVTMKFPLNRKETTQMLWSTRTLNITKEQVPLV 420  
 Db 123 GKVSSVPYLGVNNLBENWLLPVTMKFPLNRKETTQMLWSTRTLNITKEQVPLV 420

Qy 124 4EYLDNNEHDWKMRLRNMMDIYQDATPYYATLQTATHYRDAGLPVLYEEFHARJL 480  
 Db 124 4EYLDNNEHDWKMRLRNMMDIYQDATPYYATLQTATHYRDAGLPVLYEEFHARJL 480

Qy 125 VKPRTDGADIGDEMFLFGCPATGLSMGKEKALSQMKWYANFARTGNPNODNLPCWP 540  
 Db 125 VKPRTDGADIGDEMFLFGCPATGLSMGKEKALSQMKWYANFARTGNPNODNLPCWP 540

Qy 126 541 RYNKDEKYLQLODFTTRGMKLKEKRMFAMWSLYOSQRPEKQRQF 584  
 Db 126 541 RYNKDEKYLQLODFTTRGMKLKEKRMFAMWSLYOSQRPEKQRQF 584

RESULT 2  
 US-10-343-593-10  
 Sequence 10, Application US/10343593  
 Publication No. US20040110259A1  
 GENERAL INFORMATION:  
 APPLICANT: INCYTE GENOMICS, INC.; BAUGHN, Mariah R.;  
 APPLICANT: BRUNS, Christopher M.; DAS, Debopriya;  
 APPLICANT: DELGEANE, Angelo M.; DING, Leili;  
 APPLICANT: ELLIOT, Vicki S.; GANDHI, Aneena R.;  
 APPLICANT: GRIFFIN, Jennifer A.; HAFALIA, April J.A.;  
 APPLICANT: KHAN, Farrah A.; LAL, Preeti G.;  
 APPLICANT: LEE, Sally; LU, Dyrung Aina M.;  
 APPLICANT: RAMKUMAR, Jayalakshmi; RING, Huijun Z.;  
 APPLICANT: SANANTAWALA, Madhusudan M.; TANG, Y.; Tom;  
 APPLICANT: THANGAVELU, Kavithra; THORNTON, Michael;  
 APPLICANT: TRIBOULEY, Catherine M.; CHAWLA, Narinder K.;  
 APPLICANT: WARREN, Bridget A.; YANG, Junming;  
 APPLICANT: YAO, Monique G.; YUE, Henry  
 TITLE OF INVENTION: DRUG METABOLIZING ENZYMES  
 FILE REFERENCE: PI-0185 USN  
 CURRENT APPLICATION NUMBER: US/10/343,593  
 CURRENT FILING DATE: 2003-01-29  
 PRIOR APPLICATION NUMBER: US 60/223,055  
 PRIOR FILING DATE: 2000-08-04  
 PRIOR APPLICATION NUMBER: US 60/224,728  
 PRIOR FILING DATE: 2000-08-11  
 PRIOR APPLICATION NUMBER: US 60/225,440  
 PRIOR FILING DATE: 2000-08-18  
 PRIOR APPLICATION NUMBER: US 60/228,067  
 PRIOR FILING DATE: 2000-08-04  
 PRIOR APPLICATION NUMBER: US 60/232,244  
 PRIOR FILING DATE: 2000-09-13  
 PRIOR APPLICATION NUMBER: US 60/234,269  
 PRIOR FILING DATE: 2000-09-20  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: PERL Program  
 SEQ ID NO: 10  
 LENGTH: 584  
 TYPE: PRT

RESULT 3  
 US-09-978-295A-254  
 Sequence 254, Application US/09978295A  
 Patent No. US20020156006A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi  
 APPLICANT: Baker Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Denoyers, Luc  
 APPLICANT: Eaton, Dan  
 APPLICANT: Ferrara, Napoleon  
 APPLICANT: Filvaroff, Elien  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Geber, Hans Peter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Goodwski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Guiney, Austin L.  
 APPLICANT: Hillian, Kenneth J.  
 APPLICANT: Kjavian, Ivar J.

APPLICANT: Kuo, Sophia S.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James;  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: ROY, Margaret Ann  
 APPLICANT: Shelton, David L.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tomas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 TITLE OF INVENTION: Acids Encoding the Same  
 FILE REFERENCE: P2630P1C1  
 CURRENT APPLICATION NUMBER: US/09/978,295A  
 CURRENT FILING DATE: 2001-10-15  
 PRIOR APPLICATION NUMBER: 60/065311  
 PRIOR FILING DATE: 1997-11-13  
 PRIOR APPLICATION NUMBER: 60/066364  
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 PRIOR APPLICATION NUMBER: 60/085573  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085704  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 9; Length 545;  
 Best Local Similarity 80.3%; Pred. No. 1.9e-180; Indels 67; Gaps 2;  
 Matches 399; Conservative

Qy 6 LPSTVLPSSLLPTAGAGWSMRWILCWSLTCIQLMAQALGALHTKRPOVTTKGYPLQGKQMH 65  
 Db 47 LGSTSTPATSAPSSGFSTGLFGSKPAAGFTLGCTGTNTGALHTKRPOVTTKGYPLQGKQMH 106  
 Qy 66 VGTPIQVLGVPSRPPGILRAPPPEPPWKIRATTYPP----- 110  
 Db 107 VGTPIQVLGVPSRPPGILRAPPPEPPWKIRATTYPP----- 166  
 Qy 111 ----- CLOESWGLASMSVSTRERYKWRFSEDCLYINVV 145  
 Db 167 RLATSSARVQASLLPQPPLSVWGYRCQESWGLASMSVSTRERYKWRFSEDCLYINVV 226  
 Qy 146 APARAGPDOLPYMWFPGGRAFTGAASSYEGSDLAAREKVYLFLQRQLGFGELSTDD 205  
 Db 227 APARAGPDOLPYMWFPGGRAFTGAASSYEGSDLAAREKVYLFLQRQLGFGELSTDD 286  
 Qy 206 SHARGNWGLDQMAALRWQENTAAGGGDGNTLFGSGAGANSIGMMSPASGLFR 265  
 Db 287 SHARGNWGLDQMAALRWQENTAAGGGDPGNNTLFGSGAGANSIGMMSPASGLFR 346  
 Qy 266 A1SQSGTALFRLFITSNPLVKAKVKAHLAGCNHINSTQILVNCLRALSGTKVMRVSNKRKF 325  
 Db 347 A1SQSGTALFRLFITSNPLVKAKVKAHLAGCNHINSTQILVNCLRALSGTKVMRVSNKRKF 406  
 Qy 326 LQNFORDPREITISMSPVVDGVVLPDDPLVLLTGKSVSSPVYLVNNLEFWLPLPTM 385  
 Db 407 LQNFORDPREITISMSPVVDGVVTPDDPLVLLTGKSVSSPVYLVNNLEFWLPLP-- 464  
 Qy 386 KPLNRMQAKETIKMMLMSTRILNITQEQLVVEYLDNNEHDWKLRLRMMDDVQ 445  
 Db 465 ----- NITKEQVPLVVEYLDNNTEHDDNOMLRNRMDDVQ 499  
 Qy 446 DATFVYATLQTAHYRD 462

Db 500 DATFVYATLQTAHYRE 516

RESULT 4  
 US-09-978-697-254  
 Sequence 254, Application US/09978697  
 Patent No. US2002016928A1  
 GENERAL INFORMATION:  
 APPLICANT: Asidenanzi, Avi  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan  
 APPLICANT: Ferrara, Napoleon  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Hillian, Kenneth J.  
 APPLICANT: Klijavin, Ivar J.  
 APPLICANT: Kuo, Sophia S.  
 APPLICANT: Naper, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Shelton, David L.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 Acids Encoding the Same  
 FILE REFERENCE: P263OPIC27  
 CURRENT APPLICATION NUMBER: US/09/978-697  
 CURRENT FILING DATE: 2001-10-16  
 PRIOR APPLICATION NUMBER: 09/18585  
 PRIOR FILING DATE: 2001-07-30  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/064249  
 PRIOR FILING DATE: 1997-11-03  
 PRIOR APPLICATION NUMBER: 60/065311  
 PRIOR FILING DATE: 1997-11-13  
 PRIOR APPLICATION NUMBER: 60/066364  
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 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/078939  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/079294  
 PRIOR FILING DATE: 1998-03-25  
 PRIOR APPLICATION NUMBER: 60/079656

Prior Application Number: 60/083495  
 Prior Filing Date: 1998-04-29  
 Prior Application Number: 60/083496  
 Prior Filing Date: 1998-04-29  
 Prior Application Number: 60/083497  
 Prior Filing Date: 1998-03-27  
 Prior Application Number: 60/079663  
 Prior Filing Date: 1998-03-27  
 Prior Application Number: 60/079728  
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 Prior Application Number: 60/080333  
 Prior Filing Date: 1998-04-01  
 Prior Application Number: 60/080334  
 Prior Filing Date: 1998-04-01  
 Prior Application Number: 60/0801070  
 Prior Filing Date: 1998-04-08  
 Prior Application Number: 60/0801049  
 Prior Filing Date: 1998-04-08  
 Prior Application Number: 60/081071  
 Prior Filing Date: 1998-04-08  
 Prior Application Number: 60/0811195  
 Prior Filing Date: 1998-04-08  
 Prior Application Number: 60/081203  
 Prior Filing Date: 1998-04-09  
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 Prior Filing Date: 1998-04-22  
 Prior Application Number: 60/082796  
 Prior Filing Date: 1998-04-23  
 Prior Application Number: 60/083336  
 Prior Filing Date: 1998-04-27  
 Prior Application Number: 60/083322  
 Prior Filing Date: 1998-04-28  
 Prior Application Number: 60/083392  
 Prior Filing Date: 1998-04-29

Query Match 65.1%; Score 2026.5; DB 9; Length 545;  
 Best Local Similarity 80.3%; Pred. No. 1.9e-180;  
 Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

Qy 6 LPSTVLPSLPTAGAGWSMRWILCWLTLCLMAQTAQLGALHTKRPQVTVTKYGTLLQKGKMH 65  
 Db 47 LGSTSPATTSAPSAPSGFCTGLFGSKPAPGFTLGGCTNTGALHTKRPQVTVTKYGTLLQKGKMH 106

Qy 66 VGRTPIQVQLGVPSRPPRPLJLRAPPPEPPWKGIRDATTYPG----- 110  
 Db 107 VGRTPIQVFLGVPSRPPRPLJLRAPPPEPPWKGIRDATTYPG----- 110

Qy 111 ----- CLOESWGOLASMTVSTREYYKWLRFSEDCLYLNVY 145

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 PRIOR APPLICATION NUMBER: 60/077632  
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 PRIOR FILING DATE: 1998-04-15  
 PRIOR APPLICATION NUMBER: 60/065511  
 PRIOR FILING DATE: 1997-11-13

167 RLTATSAVRQASLLPPLSTWGRCLQESQQLAAMYVSTRERYKWLRFEDCILVNVY 226  
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 QY 266 AISQSCTALFLRFITSNPLKVKVVAHLAGCNENSTOILVNCRALSGTKYMRVSINKMRF 325  
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 Qy 407 LQLNFQDPEETIWSNSPVVPGVWIPDPLVLTCQKSVSPYLQCVNLBNFLWLPYM -- 464  
 Qy 386 KFPLNRQAMRKETITRNLWSTRTLNITKEOPLVVEYLDNVNEDWDKMLRNRMNDIVQ 445  
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Qy 446 DATEVYATLQTQTAHYHD 462  
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**RESULT 5**  
 US-09-979-192A-254  
 Sequence 254, Application US/09978192A  
 Patent No. US2002017553A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan  
 APPLICANT: Ferrara, Napoleon  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Hillian, Kenneth J.  
 APPLICANT: Kjavin, Ivar J.  
 APPLICANT: Kuo, Sophia S.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Ponzi, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Sheldon, David L.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 TITLE OF INVENTION: Acids Encoding the Same  
 CURRENT FILING DATE: 2001-10-15  
 CURRENT APPLICATION NUMBER: US/09/978,192A  
 CURRENT FILING DATE: 2001-10-15  
 CURRENT APPLICATION NUMBER: US/09/918,895  
 PRIOR FILING DATE: 2001-07-30  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/064249  
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 PRIOR FILING DATE: 1997-11-13

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; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 9; Length 545;
Best Local Similarity 80.3%; Pred. No. 1.9e-180;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

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Db 167 RLATSA SRVQASLLPQPBLUSWQYRCLOBSWGOASMYSTRRYKWLRFSEDCYLNVY 226
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; Sequence 254, Application US/09999832A
; Publication No. US20020192706A1

; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Chang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

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APPLICANT: Hillan, Kenneth J  
 APPLICANT: Kljavin, Ivar J.  
 APPLICANT: Kuo, Sophia S.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James;  
 APPLICANT: Paonni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Shalton, David L.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tunas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William J.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 FILE REFERENCE: P2630P1C53  
 CURRENT APPLICATION NUMBER: US/09/999, 832A  
 CURRENT FILING DATE: 2001-10-24  
 PRIOR APPLICATION NUMBER: 09/918585  
 PRIOR FILING DATE: 2001-07-30  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
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 / Publication No. US20030004102A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Ashkenazi, Avi  
 / APPLICANT: Baker, Kevin P.  
 / APPLICANT: Bonstein, David  
 / APPLICANT: Desnoyers, Luc  
 / APPLICANT: Eaton, Dan  
 / APPLICANT: Ferrara, Napoleon  
 / APPLICANT: Flivaroff, Ellen  
 / APPLICANT: Fong, Sherman  
 / APPLICANT: Gao, Wei-Qiang  
 / APPLICANT: Gerber, Hanspeter  
 / APPLICANT: Gerritsen, Mary E.  
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 / APPLICANT: Kjavin, Ivar J.  
 / APPLICANT: Kuo, Sophia S.  
 / APPLICANT: Napier, Mary A.  
 / APPLICANT: Pan, James  
 / APPLICANT: Pacini, Nicholas F.  
 / APPLICANT: Roy, Margaret Ann  
 / APPLICANT: Shelton, David L.  
 / APPLICANT: Stewart, Timothy A.  
 / APPLICANT: Turnas, Daniel  
 / APPLICANT: Williams, P. Mickey  
 / APPLICANT: Wood, William T.

/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same  
 / FILE REFERENCE: P2630P1C7

Current Application Number: US/09/978,189  
 Current Filing Date: 2001-10-15  
 Prior Application Number: 09/918565  
 Prior Filing Date: 2001-07-30  
 Prior Application Number: 60/062250  
 Prior Filing Date: 1997-10-17  
 Prior Application Number: 60/064249  
 Prior Filing Date: 1997-11-03  
 Prior Application Number: 60/065311  
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 Prior Application Number: 60/078866  
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 Prior Application Number: 60/078910  
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 Prior Filing Date: 1998-03-20  
 Prior Application Number: 60/079294

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Query 6 LPSTVLPSLLPTAGAGWSNRWILCWSLTCLMMAOTALGALHTRPQVTTKYGTLQGKMH 65  
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 Database 167 RLATSAASRVQASLIPQLPLSVWGYRCLESWGQLASMYSTRERYKMRFSEDCLYNY 226

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Query Match          65.1%; Score 2026.5; DB 10; Length 545;
Best Local Similarity 80.3%; Pred 2026.5; DB 10; Length 545;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

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RESULT 8  
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 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan  
 ; APPLICANT: Ferrara, Napoleon  
 ; APPLICANT: Filvaroff, Ellen  
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 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Hillan, Kenneth J.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Kuo, Sophia S.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William J.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2630P1C22  
 ; CURRENT APPLICATION NUMBER: US/09/978,608A  
 ; CURRENT FILING DATE: 2001-10-16  
 ; NUMBER OF SEQ ID NOS: 624  
 ; Prior Application removed - See File Wrapper or Palm  
 ; SEQ ID NO 254  
 ; LENGTH: 545  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

---

US-09-978-608A-254  
 Query Match 65.1%; Score 2026.5;  
 Best Local Similarity 80.3%; Pred. No. 1.9e-180;  
 Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;  
 Qy 6 LPSTVLPSLPTAGAGMSMRWILCWNLTLCLMAQTAALGALHTKRPQVVTYKGTLLQGRQMH 65  
 Db 47 LGSTSTRATAPSASSGGTGTGSKRATGFTLGGTTGALHTKRPQVVTYKGTLLQGRQMH 106  
 Qy 66 VGKPTIQVFLGVPSRPRPLGLTRPAPPEPPWKGIRDATTYPPG----- 110  
 Db 107 VGKPTIQVFLGVPSRPRPLGLTRPAPPEPPWKGIRDATTYPPGWSLSPGWAVARS 166  
 Qy 111 ----- - CLOQESNGQLAMIVSTRERYKWLRFSEDCLYLNVY 145  
 Db 167 RLTATASRVQASLIPQPLSTWGYRCIQLQESNGQLAMIVSTRERYKWLRFSEDCLYLNVY 226  
 Qy 146 APARAGDQDPLQFPMWFPGGAFITVGASSYEGSDLAAREKYLGFSLFHR 205  
 Db 227 APARAGDQDPLQFPMWFPGGAFITVGASSYEGSDLAAREKYLGFSLFHR 286  
 Qy 206 SHARGNWGLDQMAALRWQENIAARGDPENVTLFQGSAGAMSISGLMMSPLASGLFHR 265  
 Db 287 SHARGNWGLDQMAALRWQENIAARGDPENVTLFQGSAGAMSISGLMMSPLASGLFHR 346  
 Qy 266 AISQSGTALPFLPITSNPLKAVAKHAGCNHNSTQILVNCLRALSGTKMVRVSNKMRF 325  
 Db 347 AISQSGTALPFLPITSNPLKAVAKHAGCNHNSTQILVNCLRALSGTKMVRVSNKMRF 406  
 Qy 326 LQLNFORDPBTIWSNSPVYDGVVTPDDPLVLTQGKSVSYPLGVNNLEFNWLLPYIM 385  
 Db 407 LQLNFORDPBTIWSNSPVYDGVVTPDDPLVLTQGKSVSYPLGVNNLEFNWLLPY-- 464  
 Qy 386 KPPLNQAMRKETITKMLWSTRLLNITKEQVPLVVEYLDVNNEHDWKMLRNRMDDIVQ 445  
 Db 465 ----- - NITKEQVPLVVEYLDVNNEHDWKMLRNRMDDIVQ 499  
 Qy 446 DATFVYATLQTAHYRD 462  
 Db 500 DATFVYATLQTAHYRE 516  
 RESULT 9  
 US-09-978-508A-254  
 ; Sequence 254, Application US/09978608A  
 ; Publication No. US20030045462A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan  
 ; APPLICANT: Ferrara, Napoleon  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Hillan, Kenneth J.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Kuo, Sophia S.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William J.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2630P1C22  
 ; CURRENT APPLICATION NUMBER: US/09/978,608A  
 ; CURRENT FILING DATE: 2001-10-16  
 ; NUMBER OF SEQ ID NOS: 624  
 ; Prior Application removed - See File Wrapper or Palm  
 ; SEQ ID NO 254  
 ; LENGTH: 545  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ACIDS Encoding the Same

FILE REFERENCE: P2630P1C15  
 CURRENT APPLICATION NUMBER: US/09/978,585A  
 CURRENT FILING DATE: 2001-10-16  
 NUMBER OF SEQ ID NOS: 624  
 Prior Application removed - See File Wrapper or Palm

SEQ ID NO: 254  
 LENGTH: 545  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-978-585A-254

Query Match 65.1%; Score 2026.5%; DB 10; Length 545;  
 Best Local Similarity 80.3%; Pred. No. 1.e-180;  
 Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

Qy 6 LPSTVPLIPTAGAGNMRWILCWLSLCLMVAQLGALLTKRPOVVTKYGTLGQOMH 65  
 Db 47 LGKTPIQVFLGVPSRPLGLRFAAPPPEPKGTRDATTYPPG----- 110  
 Qy 66 VGGTPIQVFLGVPSRPLGLRFAAPPPEPKGTRDATTYPPG----- 110  
 Db 107 VGGTPIQVFLGVPSRPLGLRFAAPPPEPKGTRDATTYPPGMSLALSGWSAVARS 166

Qy 111 -----CLQESNGOLASNVYSTRERYKWLRFSEDCLYNNV 145  
 Db 167 RLTTASRVRQAISLPQLSPVNGYRCIQSNGOLASNVYSTRERYKWLRFSEDCLYNNV 226

Qy 146 APARAPGDPQLPVMWFPGGAPIVGAAASYEGSDLAAREKVVLVFLORLGFGLSTDD 205  
 Db 227 APARAPGDPQLPVMWFPGGAPIVGAAASYEGSDLAAREKVVLVFLORLGFGLSTDD 286

Qy 206 SHARGNWGLDQMAALRVQENTAAGGDPGNVTLFCGOSAGAMSISGIMMSPLASHFHR 265  
 Db 287 SHARGNWGLDQMAALRVQENTAAGGDPGNVTLFCGOSAGAMSISGIMMSPLASHFHR 346

Qy 266 AIGSQGTLARLFTTSNLKVKVHAAGCNHINSTOLVNCIRALSGTKYMRVSNSMRF 325  
 Db 347 AIGSQGTLARLFTTSNLKVKVHAAGCNHINSTOLVNCIRALSGTKYMRVSNSMRF 406

Qy 326 LQLNFQDPEETIWSMSPVVDGVIPTDPLVLTQGVSSPYLYGUNNLFPYIM 385  
 Db 407 LQLNFQDPEETIWSMSPVVDGVIPTDPLVLTQGVSSPYLYGUNNLFPY-- 464

Qy 386 KFPLNRQMRKETITKMRNWRNTRLLNTEKQVPLVVEYLDVNEDHWKMRNRMNDIVQ 445  
 Db 465 -----NTEKEQVPLVVEYLDVNEDHWKMRNRMNDIVQ 499

Qy 446 DATFVYATLQTAHYRD 462  
 Db 500 DATFVYATLQTAHYRE 516

---

RESULT 10  
 US-09-978-191A-254  
 Sequence 254, Application US/09978191A  
 Publication No. US20030050239A1  
 GENERAL INFORMATION  
 APPLICANT: Asikenaai, Avi  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan  
 APPLICANT: Ferrara, Napoleon  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey

PRIOR FILING DATE: 1998-03-31 ;  
PRIOR APPLICATION NUMBER: 60/080194 ;  
PRIOR FILING DATE: 1998-03-31 ;  
PRIOR APPLICATION NUMBER: 60/080327 ;  
PRIOR FILING DATE: 1998-04-01 ;  
PRIOR APPLICATION NUMBER: 60/080328 ;  
PRIOR FILING DATE: 1998-04-01 ;  
PRIOR APPLICATION NUMBER: 60/080333 ;  
PRIOR FILING DATE: 1998-04-01 ;  
PRIOR APPLICATION NUMBER: 60/080334 ;  
PRIOR FILING DATE: 1998-04-01 ;  
PRIOR APPLICATION NUMBER: 60/081070 ;  
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PRIOR APPLICATION NUMBER: 60/081049 ;  
PRIOR FILING DATE: 1998-04-08 ;  
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PRIOR FILING DATE: 1998-04-08 ;  
PRIOR APPLICATION NUMBER: 60/081195 ;  
PRIOR FILING DATE: 1998-04-08 ;  
PRIOR APPLICATION NUMBER: 60/081203 ;  
PRIOR FILING DATE: 1998-04-09 ;  
PRIOR APPLICATION NUMBER: 60/081229 ;  
PRIOR FILING DATE: 1998-04-09 ;  
PRIOR APPLICATION NUMBER: 60/081195 ;  
PRIOR FILING DATE: 1998-04-08 ;  
PRIOR APPLICATION NUMBER: 60/081817 ;  
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PRIOR FILING DATE: 1998-04-22 ;  
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PRIOR APPLICATION NUMBER: 60/083392 ;  
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PRIOR APPLICATION NUMBER: 60/083495 ;  
PRIOR FILING DATE: 1998-04-29 ;  
PRIOR APPLICATION NUMBER: 60/083554 ;  
PRIOR FILING DATE: 1998-04-29 ;  
PRIOR APPLICATION NUMBER: 60/083554 ;  
PRIOR FILING DATE: 1998-04-29 ;  
PRIOR APPLICATION NUMBER: 60/083742 ;  
PRIOR FILING DATE: 1998-04-30 ;  
PRIOR APPLICATION NUMBER: 60/084366

Query Match	Score	Length	DB 10;	Length	545;
Best Local Similarity	65.1%		Pred. No.	1.9e-10	
Matches	395;		Mismatches	26;	Gaps 2;
Conservative	80.3%		Indels	67;	
6	LPSTVPLUPTAGWMSMRWILCWSTIICLMAQTAICALHTRPQVTVTKYGTLOGKQKH	65			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
47	LGSTSTPATTSAPSSSGFGTGFGSKPAATGFTLGGTTNTGALHTKRPQVTVTKYGTLOGKQKH	106			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
66	VGKTPIQVFLGVPFSPRPLGLRFAPEPEPPWKGIRDATTYPPG-----	110			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
107	VGKTPIQVFLGVPFSPRPLGLRFAPEPEPPWKGIRDATTYPPGWSLALSPGMSAVARS	166			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
111	- -	145			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
167	RLTATSAVRQASLLIPQPLSVWGYRCIQCNSQQLASNYVSTRYKLNRLFSEDCDLVNY	226			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
146	A PARAPGD PQLP VMMWPGGAFIVGAASSYSESSDLAREKTVLVLQRLGIFGPFLSTDD	205			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
227	A PARAPGD PQLP VMMWPGGAFIVGAASSYSESSDLAREKTVLVLQRLGIFGPFLSTDD	286			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
206	S H A R G N W G L D Q M A A L R W Q E N I A A F G C D P G N V T L F G Q S A G A M S I G L M M S P L A S G L F H R	265			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
287	S H A R G N W G L D Q M A A L R W Q E N I A A F G C D P G N V T L F G Q S A G A M S I G L M M S P L A S G L F H R	346			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
266	A I S Q S G T A L F R L F T I S N P L K Y A K V V A H L A G C N H N S T Q I V N C U R A L S C T K V M R V S N K O R F	325			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
347	A I S Q S G T A L F R L F T I S N P L K Y A K V V A H L A G C N H N S T Q I V N C U R A L S C T K V M R V S N K O R F	406			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
326	L Q L N F O R D P E I I W S M S P V D D G V I P D D P L V L T Q G R Y S S V P Y L G V A N L E F N W L L P Y I M	385			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
407	L Q L N F O R D P E I I W S M S P V D D G V I P D D P L V L T Q G R Y S S V P Y L G V A N L E F N W L L P Y --	464			
	:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :				
386	K E P I A N R O A M R K E T I K M W M S T R T L A N I T K E O V P L V Y E B Y D V N N E H D W K M R L A T R M M D I V O	445			

Db 465 ----- NTTCQVPLVEYLDNYNEHDQMLRMMDDVQ 499  
 Qy 446 DATFVATLQTAYHRYD 462  
 Db 500 DATFVATLQTAYHRYE 516

---

RESULT 11  
 US-09-978-403A-254  
 Sequence 254, Application US/09578403A  
 Publication No. US20030050240A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Baton, Dan  
 APPLICANT: Ferrara, Napoleon  
 APPLICANT: Filvaroff, Eileen  
 APPLICANT: Rong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Hillan, Kenneth J.  
 APPLICANT: Klijavin, Ivar J.  
 APPLICANT: Kuo, Sophia S.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Shelton, David L.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tunas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same  
 FILE REFERENCE: P2630P1C17

CURRENT FILING DATE: US/09/978,403A  
 CURRENT FILING DATE: 2002-03-19

PRIOR APPLICATION NUMBER: 09/318585  
 PRIOR FILING DATE: 2001-07-30  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/064249  
 PRIOR FILING DATE: 1997-11-03  
 PRIOR APPLICATION NUMBER: 60/065311  
 PRIOR FILING DATE: 1997-11-13  
 PRIOR APPLICATION NUMBER: 60/066364  
 PRIOR FILING DATE: 1997-11-21  
 PRIOR APPLICATION NUMBER: 60/077450  
 PRIOR FILING DATE: 1998-03-10  
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 PRIOR APPLICATION NUMBER: 60/085700  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085689  
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 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085580  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085573  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085704  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 10; Length 545;  
 Best Local Similarity 80.3%; Pred. No. 1.9e-180;  
 Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

6 LPSTVPLSLPTAGWNSRWLICSLMACTALGALHTKRPQVVTKYGLQGKOMH 65  
 47 LGSTSTPARTSAPSSGFGTGFGLFGSKPATGTGGINTGALHTKRPQVVTKYGLQGKOMH 106

QY 66 VGIKPIQVFLGVYPFSRPRPIGLRFAPEPPEPWKGIRDATTYPG----- 110  
 107 VGIKPIQVFLGVYPFSRPRPIGLRFAPEPPEPWKGIRDATTYPG----- 166  
 111 ----- CLOESWGQOLASMYSTRERYKWLRESEDCLYLNY 145  
 167 RLATTSASRYQASLLPQPLSVWGRCLCLOESWGQOLASMYSTRERYKWLRESEDCLYLNY 226  
 146 APARAPGDGPOLPVNVWPGCAFIVGAASSVEGSDLAAREKVVLVQLQRUJIFGFLSTDD 205  
 227 APARAPGDGPOLPVNVWPGCAFIVGAASSVEGSDLAAREKVVLVQLQRUJIFGFLSTDD 286  
 206 SHARGNWGLIDQMAALRWQENIAFGGDFGNVTLFGQSAGAMTSGLMSPLASGLFHR 265  
 287 SHARGNWGLIDQMAALRWQENIAFGGDFGNVTLFGQSAGAMTSGLMSPLASGLFHR 346  
 266 AISQSGTALFRLFTISNPLVKAVKVAHLAGCNCNHSQTQILVNCLRALSGTQVMRYSNKMRF 325  
 347 AISQSGTALFRLFTISNPLVKAVKVAHLACCNHSQTQILVNCLRALSGTQVMRYSNKMRF 406  
 326 LQNFNQDPEIIISMSMSPVVDGVVTPDDPLVLTQGKVSVPYLLGVNLLEFNWLLPYIM 385  
 407 LQNFNQDPEIIISMSMSPVVDGVVTPDDPLVLTQGKVSVPYLLGVNLLEFNWLLPY-- 444  
 386 KFPFLNRQAMRKETITKMLNSTRTRUNIITKQVPLVVEYLDNVNEHDWMLRNRMMDIVQ 445  
 465 -----NITEQVPLVVEYLDNVNEHDWMLRNRMMDIVQ 499  
 446 DATFVYATLQTAHYTHR 462  
 500 DATFVYATLQTAHYTHR 516

RESULT 12  
 US-09-978-5564A-254  
 ; Sequence 254, Application US/09785564A  
 ; Publication No. US20030050241A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Bocstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan  
 ; APPLICANT: Ferrara, Napoleon  
 ; APPLICANT: Flivaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hans Peter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Godard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Guirney, Austin L.  
 ; APPLICANT: Hillian, Kenneth J.  
 ; APPLICANT: Kjelvin, Ivar J.  
 ; APPLICANT: Kuo, Sophia S.  
 ; APPLICANT: Naper, Mary A.  
 ; APPLICANT: Park, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tunas, Daniel  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; ACIDS Encoding the Same  
 ; FILE REFERENCE: P2630P1C55  
 ; CURRENT APPLICATION NUMBER: US/09/978-554A  
 ; CURRENT FILING DATE: 2001-10-16  
 ; PRIOR APPLICATION NUMBER: 09/918585  
 ; PRIOR FILING DATE: 2001-07-30  
 ; PRIOR APPLICATION NUMBER: 60/062250

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; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
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; PRIOR FILING DATE: 1998-04-21
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; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR APPLICATION NUMBER: 60/085339

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Query Match 65.1%; Score 2026.5; DB 10; Length 545;  
 Best Local Similarity 80.3%; Pred. No. 1.9e-180;  
 Matches 399; Conservative 5; Mismatches 26; Gaps 2;

Qy 6 LPSTVLPSLPLTGTGVPSRSPRLPGLRPAPPPEPKGIRDATTYPPG-----  
 Db 47 LGSTSPATAPSFGTGLFGSKPATGFTLGTNTGALHTRPKQVTVGTLQGKMH 65  
 Qy 66 VGRPIQVFLGVPSRSPRLPGLRPAPPPEPKGIRDATTYPPG-----  
 Db 107 VGRPIQVFLGVPSRSPRLPGLRPAPPPEPKGIRDATTYPPGWSLSPWSAVRS 166  
 Qy 111 -----CLOESWGQLASMYMVSTRYKWRFSEDCLYNRY 145  
 Db 167 RLTTASRVQASLLPQLSPVWGYRCLESWGQLASMYMVSTRYKWRFSEDCLYNRY 226  
 Qy 146 APARAPGDQLPVNWFPGCAFTVGAASSYEGSPLAAEKVWVLFQRLGIFGFLSTDD 205  
 Db 227 APARAPGDQLPVNWFPGCAFIVGAASSYEGSPLAAEKVWVLFQRLGIFGFLSTDD 286  
 Qy 206 SHARGNWGLDQMAALRQYQENTAARGDPGNVTLFGQSAGAMSIIGLMMSPLAGLFLHR 265  
 Db 287 SHARGNWGLDQMAALRQYQENTAAGCGDPGNVTLFGQSAGAMSIIGLMMSPLAGLFLHR 346  
 Qy 266 AISQSGTALFRPLTNSPLVKVAKVVAHLAGCNNSTQLVNCRALSLSTKVRSNKRFP 325  
 Db 347 AISQSGTALFRPLTNSPLVKVAKVVAHLAGCNNSTQLVNCRALSLSTKVRSNKRFP 406  
 Qy 326 LQINFORDEEITWMSPVVDGVIIPDPLVLITQGKISSVPVLTGQNLEFWLPLLPTM 385  
 Db 407 LQINFORDEEITWMSPVVDGVIIPDPLVLITQGKISSVPVLTGQNLEFWLPLLPTM-- 464  
 Qy 386 KFPLNRQMRKETIKMMLNSTRLNITKEQVPLVVEYBLDNNTNEHDIKMLRNRMMDIVQ 445  
 Db 465 -----NTIKEQVPLVVEYBLDNNTNEHDIKMLRNRMMDIVQ 499

Qy 446 DATFVYATLQTAHYRD 462  
 Db 500 DATFVYATLQTAHYRE 516

RESULT 13  
 US-09-999-833A-254 Application US/09999833A  
 Publication No. US20030034405A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Baton, Dan  
 APPLICANT: Ferrara, Napoleon  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Pong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter

PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/080165  
PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/080194  
PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/080327  
PRIOR FILING DATE: 1998-04-01  
PRIOR APPLICATION NUMBER: 60/080328  
PRIOR FILING DATE: 1998-04-01  
PRIOR APPLICATION NUMBER: 60/080333  
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PRIOR APPLICATION NUMBER: 60/083559  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083550  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083742  
PRIOR FILING DATE: 1998-04-30

Query Match 65.1%; Score 2026.5; DB 10; Length 545;  
Best Local Similarity 80.3%; Pred. No. 1.9e-180;  
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

Qy 6 LPSTVPSLILPTAGAGWSMRWILCSLTCLMAQPAALHTKRPQVVTKYGTLOCKOMH 65  
Db 47 LGSTSPATISAPSSEFGTGLFGSKPATGTLGGTNQALHTKRPQVVTKYGTLOCKOMH 106  
Qy 66 VGTKTPQVLGVPPSPPLGLRFAPEPPPWKGIRDATTYPPG----- 110  
Db 107 VGTKTPQVLGVPPSPPLGLRFAPEPPPWKGIRDATTYPPG----- 107  
Qy 111 ----- CLOESWGOLASMYSTRYKWLRFSEDCLYLNVY 145  
Db 167 RLTATASRYQASLLEQPLSYWGTRQLQESQGLASMYSTRYKWLRFSEDCLYLNVY 226  
Qy 146 APARAFCDPOLPVMWMPGGAFIVGAASSYBGSDLAAREKVLYFLQHQLGIEGFSTDD 205  
Db 227 APARAFCDPOLPVMWPGGAFFIVGAASSYBGSDLAAREKVLYFLQHQLGIEGFSTDD 286  
Qy 206 SHARGNWGLLDQMAALRWQENIAFGGDGPNTLFGQSAGAMTSGLMSPLASGLFHR 265  
Db 287 SHARGNWGLLDQMAALRWQENIAFGGDPEGNTLFGQSAGAMTSGLMSPLASGLFIR 346  
Qy 266 AISQSCTALFRFLFTSNPLKVKVYAHAGCNENSTQILVNCRLASGTTKVMRVSNKMRF 325  
Db 347 AISQSCTALFRFLFTSNPLKVKVYAHAGCNENSTQILVNCRLASGTTKVMRVSNKMRF 406  
Qy 326 LQLNFRDPEIWIWSMSPYVDGVVTPDPFLYLLTQGKVSVPYLGVNNEFNWLYPM 3.85  
Db 407 LQLNFRDPEIWIWSMSPYVDGVVTPDPFLYLLTQGKVSVPYLGVNNEFNWLYPM 4.64

QY 386 KFPLNRQAMRKETITKMLASSTRLLNITKQVPLVVEYLDVNVNEHDWKLRNRMMDIVQ 445  
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 Db 465 -----;-----;-----;-----;-----;-----;-----;-----;-----;-----;-----;  
 QY 446 DATPVATLQTAHYRD 462  
 ;-----;-----;-----;-----;-----;-----;-----;-----;-----;-----;-----;  
 Dd 500 DATPVATLQTAHYRE 516  
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RESULT 14  
 US-09-981-915A-254  
 ; Sequence 254, Application US/0981915A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker Kevin P.  
 ; APPLICANT: Borstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan  
 ; APPLICANT: Perrara, Napoleon  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Hillian, Kenneth J.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Kuo, Sophia S.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas P.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tomas, Daniel  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2630P1C12  
 CURRENT APPLICATION NUMBER: US/09/981, 915A  
 CURRENT FILING DATE: 2001-10-16  
 PRIOR APPLICATION NUMBER: 09/188585  
 PRIOR APPLICATION NUMBER: 2001-07-30  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
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 PRIOR FILING DATE: 1997-11-03  
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 ; PRIOR FILING DATE: 1998-04-22  
 ; PRIOR APPLICATION NUMBER: 60/082796





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; PRIORITY FILING DATE: 1998-05-13
; PRIORITY APPLICATION NUMBER: 60/085323
; PRIORITY FILING DATE: 1998-05-13
; PRIORITY APPLICATION NUMBER: 60/085582
; PRIORITY FILING DATE: 1998-05-15
; PRIORITY APPLICATION NUMBER: 60/085700
; PRIORITY FILING DATE: 1998-05-15
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; PRIORITY FILING DATE: 1998-05-15
; PRIORITY APPLICATION NUMBER: 60/085573
; PRIORITY FILING DATE: 1998-05-15
; PRIORITY APPLICATION NUMBER: 60/085704
; PRIORITY FILING DATE: 1998-05-15
; PRIORITY APPLICATION NUMBER: 60/085697

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Query Match 65.1%; Score 2026.5; DB 10; Length 545;
Best Local Similarity 80.3%; Pred. No. 1..9e-180; Gaps 2;
Matches 399; Conservative 5; Mi.matches 26; Indels 67; Gaps 2;
Db 47 LGSTTPATAPS$S$FGTGLFGSKPATGFTLGGNTGAHTKRPQVTTKYGTLQGKOMH 65
Qy 6 LPSTVLPSSLLPTAGACMWSERWILCWSLTLCLMRACTALGAHTKRPQVTTKYGTLQGKOMH 65
Db 107 VGTTPPQQFLGVPSRPLGILRPAPEPPWKGIRDATTYPG----- 110
Qy 111 ----- CLOQEWGQLASMYSTREAYKWRFSEDCLYNRY 145
Db 167 RLTASASRYQASLJLPOPLSWGTYRCLOESWGQLASMYSTREAYKWRFSEDCLYNRY 226
Qy 146 APARAGDPQLPQVMWFPGGAFIVGAAASSYEGSDLAAREKVKVLYFLQHRLGTFGFLSTDD 205
Db 227 APARAGDPQLPVMWFPGGAFIVGAAASSYEGSDLAAREKVKVLYFLQHRLGTFGFLSTDD 286
Qy 206 SHARGNWGLIDQMAALRWQENTIAFGGDFGNVTLFGCGAGANSISGMMSPLASGLTHR 265
Db 287 SHARGNWGLIDQMAALRWQENTIAFGGDFGNVTLFGCGAGANSISGMMSPLASGLTHR 346
Qy 266 AISQGSTALPRLFITSNPLKVAKCVAHLLAGCNINSTQILVNCLRALSGTKVNRVSNIKF 325
Db 347 AISQGSTALPRLFITSNPLKVAKCVAHLLAGCNINSTQILVNCLRALSGTKVNRVSNIKF 406
Qy 326 LQLNQFDPREIINSMSPVVDGVVTPDPLVLTQGKSSVPVILGVNLFPWLLPYTIM 385
Db 407 LQLNQFDPREIINSMSPVVDGVVTPDPLVLTQGKSSVPVILGVNLFPWLLPYT - 464
Qy 386 KFPLNQAMERETITKMLWSTRTLINITEQPVILVVEYELDNTNEHDYKMLRARMMDIVQ 445
Db 465 -----NITKEQPVILVVEYELDNTNEHDYKMLRARMMDIVQ 499
Qy 446 DATFVYATQTAHYRD 462
Db 500 DATFVYATQTAHYRD 516

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Search completed: May 10, 2005, 17:07:03  
Job time : 442 secs